

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE <div style="text-align: center;">J</div>		PAGE OF PAGES <div style="text-align: center;">1   3</div>	
2. AMENDMENT/MODIFICATION NO. 0002		3. EFFECTIVE DATE 16-Jul-2002		4. REQUISITION/PURCHASE REQ. NO. W68MD9-2102-6336		5. PROJECT NO.(If applicable)	
6. ISSUED BY USA ENGINEER DISTRICT, SEATTLE ATTN: CENWS-CT P.O. BOX 3755 SEATTLE WA 98124-3755		CODE DACA67		7. ADMINISTERED BY (If other than item 6) <div style="text-align: center; font-weight: bold;">See Item 6</div>			
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X		9A. AMENDMENT OF SOLICITATION NO. DACA67-02-B-0205	
				X		9B. DATED (SEE ITEM 11) 19-Jun-2002	
						10A. MOD. OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended.  Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Solicitation Number: DACA67-02-B-0205  Project Title: US Army Reserve Center Organizational Maintenance Shop and Area Maintenance Support Activity (Marine), Tacoma, Washington.  <div style="text-align: center;">(SEE CONTINUATION SHEET)</div>							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				TEL: _____ EMAIL: _____			
15B. CONTRACTOR/OFFEROR  _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA  BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED  16-Jul-2002	

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

**The following items are applicable to this modification:**CONTINUATION PAGE

A. The purpose of this Amendment Number Two (0002) is to incorporate revised Heavy & Highway, and Building Wage Decisions; a Table of Contents for Technical Specifications, a revised Bid Schedule, and revised technical specifications as follows:

1. **DELETE:** Original Bid Schedule  
**INSERT:** Revised Bid Schedule
2. **DELETE:** Section 00800, Special Clauses  
**INSERT:** Revised Section 00800, Special Clauses
3. **INSERT:** General Decision Number WA020001, Mod 8, dated 06/21/2002, and Mod 9, dated 07/05/2002, Construction Type: Heavy/Highway.
4. **INSERT:** General Decision Number WA020002, Mod 9, dated 06/21/2002, Mod 10, dated 07/05/2002, and Mod 11, dated 07/12/2002, Construction Type: Building.
5. **INSERT:** Table of Contents for Technical Specifications
6. **INSERT:** Section 01410, Environmental Protection
7. **DELETE:** Section 02456, Steel Pipe Piles  
**INSERT:** Revised Section 02456, Steel Pipe Piles
8. **INSERT:** Section 08201, Wood Doors
9. **INSERT:** Section 010552, Metal Storage Shelving
10. **INSERT:** Section 010605, Wire Mesh Partitions
11. **INSERT:** Section 010655, Accordion Folding Partitions
12. **INSERT:** Section 012800, Equipment to be Relocated
13. **DELETE:** Section 016710, Premises Distribution System  
**INSERT:** Revised Section 016710, Premises Distribution System

**B. THE BID OPENING DATE AND TIME REMAIN UNCHANGED AS FOLLOWS: 24  
JULY 2002, 2:00 P.M., LOCAL TIME**

C. All amendments are available for download on the Seattle District U.S. Army Corps of Engineers website at: <http://www.nws.usace.army.mil/ct/>.

D. NOTICE TO OFFERORS: Offerors must acknowledge receipt of this amendment by number and date on Standard Form 1442 BACK, in Block 19, or by telegram. Please mark the outside of the envelope in which the bid is enclosed to show the amendment received

Enclosures:

BID SCHEDULE

Section 00800

Washington Wage Decision (Heavy/Highway)

Washington Wage Decision (Building)

Table of Contents Technical Specifications

Section 01410

Section 02456

Section 08201

Section 010552

Section 010605

Section 010655

Section 012800

Section 016710

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## SCHEDULE

<u>Item No.</u>	<u>Description of Item</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Amount</u>
BASE ITEMS					
0001	All work for USARC/OMS/MARINE AMSA, Pier 23, Tacoma, within a line 1.5 meters outside the building wall lines, except for Items 0003, 0004, 0005, 0006, 0008, 0009 and 0010	1	Job	LS	\$_____
0002	All sitework and utilities beyond the line 1.5 meters outside the building wall lines and within the site, to include the demolition as shown, except for Base Item 0007	1	Job	LS	\$_____
0003	Furnish and install 285 steel pipe piles for the building				
0003AA	Design length as shown per pile (27.45 M)	7823	M	\$_____	\$_____
0003AB	Adjustment in length per specification	782	M	\$_____	\$_____
0004	All Work for As-Built Drawings as specified in Section 01702 from preparation to final approval	1	Job	LS	\$30,000
0005	All Work for O&M Manuals as specified in Section 01701 from preparation to final approval	1	Job	LS	\$75,000
0006	All Work for Form 1354 Checklist and Equipment in Place List as specified in Sections 01704 and 01705 from preparation to final approval	1	Job	LS	\$15,000
0007	All work for the sheet steel piling stabilization wall, except for all fencework, paid under Item 0002	65	LM	\$_____	\$_____
0008	All work to provide and install unit storage caging (and associated shelving), lockers, telephone handsets and markerboards	1	Job	LS	\$_____
TOTAL BASE ITEMS					\$_____

<u>Item No.</u>	<u>Description of Item</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Amount</u>
OPTIONAL ITEMS					
0009	Additional cost of glass elevator as specified, including associated elevator shaft modifications, in lieu of steel elevator paid under Base Item 0001	1	Job	LS	\$_____
0010	Furnish and install fountain, including installation of Government furnished sculpture, and including fountain pit, drain, fill lines, and associated electrical, except for the junction box paid under Base Item 0001	1	Job	LS	\$_____
TOTAL OPTIONAL ITEMS					\$_____
TOTAL BASE AND OPTIONAL ITEMS					\$_____

#### NOTES

1. The dollar amounts established for Base Items 0004 through 0006 shall not be revised by the bidder.
2. No partial or total payment will be made for Items listed in Note 2 above, until the applicable as-built drawings, O&M Manuals, and 1354 Data/ Installed Equipment Lists are fully approved (A or B action).
3. The Contractor is responsible for providing access to the existing pier during installation of sheet piling (Item 0007) and after item 0007 is completed.

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## SPECIAL CLAUSES

### SC-1. COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984) (FAR 52.211-10).

The Contractor shall be required to (a) commence work under this Contract within 10 calendar days after the date the Contractor receives the notice to proceed, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than 540 calendar days after date of receipt by Contractor of notice to proceed. The time stated for completion shall include final cleanup of the premises.

#### SC-1.1 OPTION FOR INCREASED QUANTITY

a. The Government may increase the quantity of work awarded by exercising one or more of the Optional Bid Items 0009 and 0010, at any time, or not at all, but no later than 60 calendar days after receipt by Contractor of notice to proceed. Notice to proceed on work Item(s) added by exercise of the option(s) will be given upon execution of consent of surety.

b. The parties hereto further agree that any option herein shall be considered to have been exercised at the time the Government deposits written notification to the Contractor in the mails.

c. The time allowed for completion of any optional items awarded under this contract will be the same as that for the base item(s), and will be measured from the date of receipt of the notice to proceed for the base item(s).

SC-1.2 Exception to Completion Period(s): In case the Contracting Officer determines that completion of seeding, sodding, and planting, and establishment of same is not feasible within the completion period(s) stated above, the Contractor shall accomplish such work in the first planting period following the contract completion period and shall complete such work as specified, unless other planting periods are directed or approved by the Contracting Officer.

### SC-2. LIQUIDATED DAMAGES - CONSTRUCTION (SEP 2000) (FAR 52.211-12)

(a) If the Contractor fails to complete the work within the time specified in the Contract, or any extension, the Contractor shall pay to the Government as liquidated damages, the sum of \$1,099.00 for each day of delay.

(b) If the Government terminates the Contractor's right to proceed, the resulting damage will consist of liquidated damages until such reasonable time as may be required for final completion of the work together with any increased costs occasioned the Government in completing the work.

(c) If the Government does not terminate the Contractor's right to proceed, the resulting damage will consist of liquidated damages until the work is completed or accepted.

(d) Exception to Liquidated Damage: In case the Contracting Officer determines that completion of work stated above in paragraph Exception to Completion Period(s) is not feasible during the completion period(s) stated in SC-1, such work will be exempted from liquidated damages.

SC-3 AND SC-4 DELETED.

SC-5. INSURANCE - WORK ON A GOVERNMENT INSTALLATION (JAN 1997) (FAR 52.228-5)

(a) The Contractor shall, at its own expense, provide and maintain during the entire performance period of this Contract at least the kinds and minimum amounts of insurance required in the Insurance Liability Schedule or elsewhere in the Contract.

(b) Before commencing work under this Contract, the Contractor shall certify to the Contracting Officer in writing that the required insurance has been obtained. The policies evidencing required insurance shall contain an endorsement to the effect that any cancellation or any material change adversely affecting the Government's interest shall not be effective:

(1) for such period as the laws of the State in which this Contract is to be performed prescribe;  
or

(2) until 30 days after the insurer or the Contractor gives written notice to the Contracting Officer, whichever period is longer.

(c) The Contractor shall insert the substance of this clause, including this paragraph (c), in subcontracts under this Contract that require work on a Government installation and shall require subcontractors to provide and maintain the insurance required in the Schedule or elsewhere in the Contract. The Contractor shall maintain a copy of all subcontractors' proofs of required insurance, and shall make copies available to the Contracting Officer upon request.

(d) Insurance Liability Schedule (FAR 28.307-2)

(1) Workers' compensation and employer's liability. Contractors are required to comply with applicable Federal and State workers' compensation and occupational disease statutes. If occupational diseases are not compensable under those statutes, they shall be covered under the employer's liability section of the insurance policy, except when Contract operations are so commingled with a Contractor's commercial operation that it would not be practical to require this coverage. Employer's liability coverage of at least \$100,000 shall be required, except in states with exclusive or monopolistic funds that do not permit workers' compensation to be written by private carriers.

(2) General Liability.

(a) The Contracting Officer shall require bodily injury liability insurance coverage written on the comprehensive form of policy of at least \$500,000 per occurrence.

(b) Property damage liability insurance shall be required only in special circumstances as determined by the agency.

(3) Automobile liability. The Contracting Officer shall require automobile liability insurance written on the comprehensive form of policy. The policy shall provide for bodily injury and property damage liability covering the operation of all automobiles used in connection with performing the Contract.

Policies covering automobiles operated in the United States shall provide coverage of at least \$200,000 per person and \$500,000 per occurrence for bodily injury and \$20,000 per occurrence for property damage. The amount of liability coverage on other policies shall be commensurate with any legal requirements of the locality and sufficient to meet normal and customary claims.

(4) Aircraft public and passenger liability. When aircraft are used in connection with performing the Contract, the Contracting Officer shall require aircraft public and passenger liability insurance. Coverage shall be at least \$200,000 per person and \$500,000 per occurrence for bodily injury, other than passenger liability, and \$200,000 per occurrence for property damage. Coverage for passenger liability bodily injury shall be at least \$200,000 multiplied by the number of seats or passengers, whichever is greater.

(5) Vessel liability. When Contract performance involves use of vessels, the Contracting Officer shall require vessel collision liability and protection and indemnity liability insurance. The value of the Floating Maintenance Shop (FMS) is \$650,000 without the equipment.

(6) Environmental Liability If this contract includes the transport, treatment, storage, or disposal of hazardous material waste the following coverage is required.

The Contractor shall ensure the transporter and disposal facility have liability insurance in effect for claims arising out of the death or bodily injury and property damage from hazardous material/waste transport, treatment, storage and disposal, including vehicle liability and legal defense costs in the amount of \$1,000,000.00 as evidenced by a certificate of insurance for General, Automobile, and Environmental Liability Coverage. Proof of this insurance shall be provided to the Contracting Officer.

#### SC-5A. ADEQUATE INSURANCE.

The contractor shall, at its own expense, provide and maintain during the entire performance of the contract, adequate insurance normally required to do business, which includes, but is not limited to, Workmen's Compensation and Employer's Liability Insurance including Federal Longshoreman and Harbor Workers' and/or Jones Act Insurance, if applicable, in the amounts specified by the applicable Federal and/or State authorities.

#### ~~—SC 5A. ADEQUATE INSURANCE.~~

~~—The contractor will, at its own expense, provide and maintain during the entire performance of the contract, adequate insurance normally required to do business, which includes, but is not limited to, Workmen's Compensation and Employer's Liability Insurance including Federal Longshoreman and Harbor Workers' and/or Jones Act Insurance, if applicable, in the amounts specified by the applicable Federal and/or State authorities.~~

#### SC-6 DELETED.

SC-7. PERFORMANCE OF WORK BY THE CONTRACTOR (APR 1984) (FAR 52.236-1): The Contractor shall perform on the site, and with its own organization, work equivalent to at least fifteen percent (15%) of the total amount of work to be performed under the Contract. The percentage may be reduced by a supplemental agreement to this Contract if, during performing the work, the Contractor

requests a reduction and the Contracting Officer determines that the reduction would be to the advantage of the Government.

SC-8. PHYSICAL DATA (APR 1984) (FAR 52.236-4): Data and information furnished or referred to below is for the Contractor's information. The Government will not be responsible for any interpretation of or conclusion drawn from the data or information by the Contractor.

(a) Physical Conditions: The indications of physical conditions on the drawings and in the specifications are the result of site investigations by test holes shown on the drawings.

(b) Weather Conditions: Each bidder shall be satisfied before submitting his bid as to the hazards likely to arise from weather conditions. Complete weather records and reports may be obtained from any National Weather Service Office.

(c) Transportation Facilities: Each bidder, before submitting his bid, shall make an investigation of the conditions of existing public and private roads and of clearances, restrictions, bridge load limits, and other limitations affecting transportation and ingress and egress at the jobsite. The unavailability of transportation facilities or limitations thereon shall not become a basis for claims for damages or extension of time for completion of the work.

SC-9 DELETED.

SC-10. LAYOUT OF WORK (APR 1984) (FAR 52.236-17): The Contractor shall lay out its work from Government-established base lines and bench marks indicated on the drawings, and shall be responsible for all measurements in connection with the layout. The Contractor shall furnish, at its own expense, all stakes, templates, platforms, equipment, tools, materials, and labor required to lay out any part of the work. The Contractor shall be responsible for executing the work to the lines and grades that may be established or indicated by the Contracting Officer. The Contractor shall also be responsible for maintaining and preserving all stakes and other marks established by the Contracting Officer until authorized to remove them. If such marks are destroyed by the Contractor or through its negligence before their removal is authorized, the Contracting Officer may replace them and deduct the expense of the replacement from any amounts due, or to become due, to the Contractor.

SC-11 AND SC-12 DELETED.

SC-13. IDENTIFICATION OF GOVERNMENT-FURNISHED PROPERTY (APR 1984) (FAR 52.245-3): The Government will furnish to the Contractor the property identified in the schedule to be incorporated or installed into the work or used in performing the contract. The listed property will be furnished to the Contractor at the place designated by the Contracting Officer. The Contractor is required to accept delivery, pay any demurrage or detention charges, and unload and transport the property to the jobsite at its own expense. When the property is delivered, the Contractor shall verify its quantity and condition and acknowledge receipt in writing to the Contracting Officer. The Contractor shall also report in writing to the Contracting Officer within 24 hours of delivery any damage to or shortage of the property as received. All such property shall be installed or incorporated into the work at the expense of the Contractor, unless otherwise indicated in this contract.

SCHEDULE

QUANTITY	ITEM	DESCRIPTION	VALUE (TOTAL)
1	Fountain Sculpture	See plans and specs	\$1,000
See items below	Machine Shop Equipment	See drawings A1.10, M5.2, and M5.3 and specification 12800	

EQUIPMENT NO.	DESCRIPTION	REPLACEMENT COST
1	Jet Washer large	\$7,000
	Jet Washer small	\$1,500
2	Hydraulic Test Stand	\$135,000
3	Dynamometer	\$75,000
4	Valve Grinder (2 each)	\$6,000 each
5	Injector Test Stand	\$200,000
6	Engine Component Stands (4 each)	\$6,000 for all
7	APF Injector Stand	\$750,000
8	Hydraulic Press	\$4,500
9	Drill Machine (31 and 9 the same)	\$28,000 each
10	Cincinnati Milling Machine	\$28,000
11	DoAll Bandsaw vertical	\$13,000
12	Cut Off Saw ((wells)	\$5800
13	Cut Off Saw (WF Wells)	\$5800
14	Standard Modern Lathe (2 each)	\$12,000 each
15	Engine Lathe (Sidney)	\$32,000
16	Gap Bed Lathe (Nebel)	\$55,000
17	Radial Arm Drill Press (Cincinnati)	\$50,000
18	Disk Sander	\$500
19	Milling Machine (Wells index)	\$40,000
20	Not Used	
21	Miller Welding Machine (2 each)	\$20,000 each
22	Waffle Table	\$6,000
23	Welding Booth Table (2 each)	\$1500 each
24	Iron Shear and Punch kling	\$22,000
25	Metal Shear pneumatic 6'	\$29,000
26	Metal Roller (Niagara)	\$6,000
27	Sheet Metal Break (8' @ 1/4" Cap.)	\$6,000
	Sheet Metal Break (4 ' @ 1/8" Cap.) finger	\$3,000
28	Grinder (Baldor)	\$1,200
29	Grinder (Cincinnati)	\$1,200
30	Pipe Threader (Oster)	\$6,500

EQUIPMENT NO.	DESCRIPTION	REPLACEMENT COST
31	Drill Press (Buffalo – 2 each)	\$28,000 each
32	Test Stand Auto	\$118,000
33	Oven (Potter)	\$10,000
34	Grinder portable pedestal	\$400
35	Not Used	
36	Not Used	
37	Not Used	
38	Portable Drill Press (Buffalo)	\$1,200
39	Armature Tester	\$1000
40	Portable Battery Charger	\$800
41	Engine Lathe (Sidney)	\$20,000
42	Not Used	
43	Hot Box (2 each)	\$300 each
44	Forge	\$35,000.00
45	Glass Shot Bearer	\$2,200
46	Shear and Punch foot operated	\$3,200.00

SC-14. EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE (MAY 1999)-  
(EFARS 52.231-5000)

(a) This clause does not apply to terminations. See 52.249-5000, Basis for Settlement of Proposals and FAR Part 49.

(b) Allowable cost for construction and marine plant and equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor at any tier shall be based on actual cost data for each piece of equipment or groups of similar serial and series for which the Government can determine both ownership and operating costs from the contractor's accounting records. When both ownership and operating costs cannot be determined for any piece of equipment or groups of similar serial or series equipment from the contractor's accounting records, costs for that equipment shall be based upon the applicable provisions of EP 1110-1-8, Construction Equipment Ownership and Operating Expense Schedule, Region VIII. Working conditions shall be considered to be average for determining equipment rates using the schedule unless specified otherwise by the contracting officer. For equipment not included in the schedule, rates for comparable pieces of equipment may be used or a rate may be developed using the formula provided in the schedule. For forward pricing, the schedule in effect at the time of negotiations shall apply. For retroactive pricing, the schedule in effect at the time the work was performed shall apply.

(c) Equipment rental costs are allowable, subject to the provisions of FAR 31.105(d)(ii) and FAR 31.205-36. Rates for equipment rented from an organization under common control, lease-purchase arrangements, and sale-leaseback arrangements, will be determined using the schedule, except that actual rates will be used for equipment leased from an organization under common control that has an established practice of leasing the same or similar equipment to unaffiliated lessees.

(d) When actual equipment costs are proposed and the total amount of the pricing action exceeds the small purchase threshold, the contracting officer shall request the contractor to submit either certified cost or pricing data, or partial/limited data, as appropriate. The data shall be submitted on Standard Form 1411, Contract Pricing Proposal Cover Sheet.

(e) Copies of EP1110-1-8 "Construction Equipment Ownership and Operating Expense Schedule" Volumes 1 through 12 are available in Portable Document Format (PDF) and can be viewed or downloaded at <http://www.usace.army.mil/inet/usace-docs/eng-pamphlets/cecw.htm>. A CD-ROM containing (Volumes 1-12) is available through either the Superintendent of Documents or Government bookstores. For additional information telephone 202-512-2250, or access on the Internet at [http://www.access.gpo.gov/su\\_docs](http://www.access.gpo.gov/su_docs).

SC-15. PAYMENT FOR MATERIALS DELIVERED OFF-SITE (MAY 1999)-(EFARS 52.232-5000)

(a) Pursuant to FAR clause 52.232-5, Payments Under Fixed Priced Construction Contracts, materials delivered to the contractor at locations other than the site of the work may be taken into consideration in making payments if included in payment estimates and if all the conditions of the General Provisions are fulfilled. Payment for items delivered to locations other than the work site will be limited to: (1) materials required by the technical provisions; or (2) materials that have been fabricated to the point where they are identifiable to an item of work required under this contract.

(b) Such payment will be made only after receipt of paid or receipted invoices or invoices with canceled check showing title to the items in the prime contractor and including the value of material and labor incorporated into the item. In addition to petroleum products, payment for materials delivered off-site is limited to the following items: Any other construction material stored offsite may be considered in determining the amount of a progress payment.

SC-16 AND SC-17 DELETED.

SC-18. CONTRACT DRAWINGS, MAPS, AND SPECIFICATIONS (OCT 1996) (52.0236-4001 EBS)

(a) The Government--

(1) Will provide the Contractor, without charge, one set of contract drawings and one set of specifications in electronic format on a compact disk. The Government will not give the Contractor any hard copy paper drawings or specifications for any contract resulting from this solicitation.

(b) The Contractor shall--

(1) check all drawings furnished immediately upon receipt;

(2) Compare all drawings and verify the figures before laying out the work;

(3) Promptly notify the Contracting Officer of any discrepancies;

and

(4) Be responsible for any errors which might have been avoided by complying with this paragraph (b).

(c) Large scale drawings shall, in general, govern small scale drawings. Figures marked on drawings shall, in general, be followed in preference to scale measurements.

(d) Omissions from the drawings or specifications or the misdescription of details of work which are manifestly necessary to carry out the intent of the drawings and specifications, or which are customarily performed, shall not relieve the Contractor from performing such omitted or misdescribed details of the work, but shall be performed as if fully and correctly set forth and described in the drawings and specifications.

(e) The work shall conform to the specifications and the contract drawings identified in the index of drawings attached at the end of the Special Clauses.

SC-19 THROUGH SC-21 DELETED.

SC-22. EPA ENERGY STAR: The Government requires that certain equipment be Energy Star compliant. Initially, the sole Energy Star requirement shall be the self certification by the bidder that the specified equipment is Energy Star compliant. Within 3 months of the availability of an EPA sanctioned test for Energy Star compliance, the Contractor shall submit all equipment upgrades and additions for testing and provide proof of compliance to the Government upon completion of testing. Testing shall be at the Contractor's expense.

SC-23. RECOVERED MATERIALS: The Corps of Engineers encourages all bidders to utilize recovered materials to the maximum extent practicable. The attached APPENDIX R contains procurement guidelines for products containing recovered materials.



## APPENDIX R

### PART 247 - COMPREHENSIVE PROCUREMENT GUIDELINE FOR PRODUCTS CONTAINING RECOVERED MATERIALS

40 CFR Ch. 1 (9-1-99 Edition)

#### Subpart B-Item Designations

§ 247.10 Paper and paper products.

Paper and paper products, excluding building and construction paper grades.

§ 247.11 Vehicular products.

- (a) Lubricating oils containing re-refined oil, including engine lubricating oils, hydraulic fluids, and gear oils, excluding marine and aviation oils.
- (b) Tires, excluding airplane tire
- (e) Reclaimed engine coolants, excluding coolants used in non-vehicular applications.

247.12 Construction products.

- (a) Building insulation product including the following items:
  - (1) Loose-fill insulation, including but not limited to cellulose fiber, mineral fibers (fiberglass and rock vermiculite, and perlite;
  - (2) Blanket and batt insulation, including but not limited to mineral fibers (fiberglass and rock wool).
  - (3) Board (sheathing, roof decking wall panel) insulation, including but not limited to structural fiberboard and laminated paperboard products perlite composite board, polyurethane, polyisocyanurate, polystyrene, phenolics, and composites; and
  - (4) Spray-in-place insulation, including but not limited to foam-in-place polyurethane and polyisocyanurate and spray-on cellulose.
- (b) Structural fiberboard and laminated paperboard products for applications other than building insulation, including building board, sheathing shingle backer, sound deadening board, roof insulating board, insulating wallboard, acoustical and non-acoustical ceiling tile, acoustical and non-acoustical lay-in panels, floor underlayments, and roof overlay (cover board).
- (c) Cement and concrete, including concrete products such as pipe and block, containing coal fly as ground granulated blast furnace (GGBF) slag.
- (d) Carpet made of polyester fiber use in low- and medium-wear applications.
- (e) Floor tiles and patio block containing recovered rubber or plastic.
- (f) Shower and restroom dividers/partitions containing recovered plastic or steel.
- (g) (1) Consolidated latex paint used for covering graffiti; and
- (2) Reprocessed latex paint used for interior and exterior architectural applications such as wallboard, ceilings, and trim; gutter boards; and concrete, stucco, masonry, wood and metal surfaces.

§247.13 Transportation products.

- (a) Traffic barricades and traffic cones used in controlling or restricting vehicular traffic.

- (b) Parking stops made from concrete or containing recovered plastic or rubber.
- (c) Channelizers containing recovered plastic or rubber.
- (d) Delineators containing recovered plastic, rubber, or steel.
- (e) Flexible delineators containing recovered plastic.

§ 247.14 Park and recreation products

- (a) Playground surfaces and running tracks containing recovered rubber or plastic.
- (b) Plastic fencing containing recovered plastic for use in controlling snow or sand drifting and as a warning/safety barrier in construction or other applications.

247.15 Landscaping products.

- (a) Hydraulic mulch products containing recovered paper or recovered wood used for hydroseeding and as an over-spray for straw mulch in landscaping, erosion control, and soil reclamation.
- (b) Compost made from yard trimmings, leaves, and/or grass clippings for use in landscaping, seeding of grass or other plants on roadsides and embankments, as a nutritious mulch under trees and shrubs, and in erosion control and soil reclamation.
- (c) Garden and soaker hoses containing recovered plastic or rubber.
- (d) Lawn and garden edging containing recovered plastic or rubber.

§ 247.16 Non-paper office product.

- (a) Office recycling containers and office waste receptacles.
- (b) Plastic desktop accessories.
- (c) Toner cartridges.
- (d) Binders.
- (e) Plastic trash bags.
- (f) Printer ribbons.
- (g) Plastic envelopes.

§ 247.17 Miscellaneous products.

Pallets containing recovered wood, plastic, or paperboard.

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USARC/OMS/MARINE AMSA  
PIER 23  
TACOMA, WA  
PN 10522

File No. 712s/171-40-109

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### **MODIFICATIONS TO DRAWINGS.**

#### Plate C1.1

1. Include PCC Approach Slab as shown on SP 0.1 at west end of AC pavement. AC shall butt against PCC approach slab.
2. Add to Note 10: Building sizes and weights are as follows: One Building 8' x 14', 7600 lbs. Three Buildings 8' x 24', 10700 lbs. All are approximately 8 feet tall, prepackaged metal buildings with floor on I-beam. Secure to new pads with proper seismic restraints.

#### Plate C1.5

1. Roadway Section B/C1.1: Change Curb and Gutter Detail Callout from that on C1.8 to that on C1.10, PCC Curb Detail.

#### Plate C1.11

1. NOTE 2: Revise to change "Stainless Steel" to "Extruded Steel". Delete sentence "All structural components shall be made of 319 Stainless Steel in accordance with BS 1722."
2. Elevation: Delete "Aluminum" from callout "Aluminum Gate".
3. PCC Curb Detail: Revise Detail to Show Curb Width 600 mm and to show fence 150 mm above top of curb. Delete fence post sleeve.

Plates A1.1 and A1.2

1. Change bollards from 152 mm to 200 mm.

Plate A5.7

Add note to Detail 4, to read “Mail Room counter to be located in Room 188, north wall.”

Plate A6.1

Change “VWC” to “PNT” wherever it occurs in the Room Finish Schedule.

Add Interior Finish Legend, as attached to the end of the Special Clauses.

Plate A6.4

Add Wall Detail Note 5, to read, “Gypsum sheathing panels shall be applied to all exterior walls according to Specification Section 04220, Nonbearing Masonry Veneer/Steel Stud Walls.”

Plate S0.2

1. Detail 8 – SLAB HAIRPIN DETAIL: Revise hairpin center and leg dimensions from ‘AS REQUIRED’ and ‘3600mm’ to ‘400mm’ and ‘4500mm’ respectively.
2. CONCRETE PIER SCHEDULE: Revise all ties in the pier schedule to #13.

Plate S0.4

1. DETAIL 1: Delete anchor shown on ‘FREE’ side of detail.
2. SECTION(S) A, B, & C: Reference Architectural plates for slab recesses typical at entryways.
3. SECTION(S) A, B, & C: Furnish additional 2-#19 longitudinal reinforcing at top of grade beam section. Relocate ‘L’ dowel at top of grade beam to align vertical leg with vertical portion of closed ties at inside face of grade beam.
4. SECTION(S) D & E: Revise reinforcing configuration shown by extending closed ties as required to locate upper longitudinal reinforcing adjacent to top surface of concrete section.
5. SECTION G: Add curb to elevator pit as shown on attached sketch SK-1.

Plate S1.1

1. Add the following notes:
  - a. The grade beams on the North side of the 115 mm joint shall not be doweled into the pile caps or any other part of the Admin/Training foundation system.
  - b. Pile caps PC9 and PC10 will be done by Corps of Engineers.
2. Revise Note 5 to change “J/S1.1” to “K/S0.4”.

Plate S2.1

1. Delete Note 5

Plate S2.2

1. Revise hairpin dimensions and configuration. See attached sketch SK-1.
2. Delete 1200mm x 1800mm slab recess located at Grid M.4 between Grids 5 and 6.

Plate S2.8

1. Add to Note 1: Maximum joist depth not to exceed 1000 mm for J1 to J8 and 660 mm for J9 to J12.

Plate M0.1

1. Add to Abbreviations: IV Inlet Vane.

Plate M0.4

1. Revise Make-up Air Unit Schedule as follows: Static Pressure for MAU-1: 0373kPa (was 0.25); motor kW for MAU-1: 14.9 (was 11.2). Static Pressure for MAU-2: 0311kPa (was 0.25); revise motor kW to 3.73 (was 2.2).

Plate SP 0.1

1. Add Note 10, to read, "Reference Plate C1.1 Site Plan for the limits of the sheet pile wall to be installed under this contract."

Plate SP 0.2

1. Delete instruction to remove sheet steel cell.

STANDARD DETAILS BOUND IN THE SPECIFICATIONS

DRAWING NUMBER	SHEET NUMBER	TITLE	DATE
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SECTION 01501 - CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

1 & 2	U.S. Army Project Construction Sign	84JUN20
1	Hard Hat Sign	10SEP90



## INTERIOR FINISH LEGEND

### CARPET

<u>CPT – 1</u>	<u>COLLINS &amp; AIKMAN INFINITY 55020 GEMSTONE (18 X 18 TILE - MAIN)</u>
<u>CPT – 2</u>	<u>COLLINS &amp; AIKMAN PLEXUS ACCENT II 60015 NAVY (BROADLOOM ROLL – ACCENT AND WALL BASE)</u>
<u>CPT – 3</u>	<u>COLLINS &amp; AIKMAN INFINITY 55020 GEMSTONE (BROADLOOM ROLL – WALL BASE)</u>

### VINYL COMPOSITION TILE (VCT)

<u>VCT – 1</u>	<u>ARMSTRONG STONETEX 52135 MINERAL DUST (12 X 12 - CORRIDORS)</u>
<u>VCT – 2</u>	<u>ARMSTRONG FEATURE TILE/STRIPS 56790 BLACK I (12 X 12 - CORRIDOR ACCENTS)</u>
<u>VCT – 3</u>	<u>ARMSTRONG CANVAS 50308 MISTY SILVER (12 X 12 - VARIOUS ROOMS)</u>
<u>VCT – 4</u>	<u>ARMSTRONG STANDARD 51916 DUTCH DELFT (12 X 12 - VARIOUS ROOMS AND ACCENTS)</u>
<u>VCT – 5</u>	<u>ARMSTRONG STATIC DISSIPATIVE TILE 51952 GRANITE BLUE (12 X 12 - RCAS ROOMS)</u>

### RUBBER FLOOR TILE

<u>RT – 1</u>	<u>JOHNSONITE SPORT-MAX RUBBER SPORT FLOOR TILE, COLOR #714 AZURE (PHYSICAL FITNESS ROOM)</u>
<u>RT – 2</u>	<u>TURTLE PLASTICS, TURTLE TILE – GRAY (12 X 12)</u>

### ENTRANCE MAT

<u>MAT – 1</u>	<u>MILLIKEN FIRST APPEARANCES BRUSHOFF #124 LAGOON BLUE (RECESSED)</u>
<u>MAT – 2</u>	<u>MILLIKEN FIRST APPEARANCES BRUSHOFF #124 LAGOON BLUE (SURFACE)</u>

### RUBBER WALL BASE

<u>RB – 1</u>	<u>JOHNSONITE #63 BURNT UMBER</u>
<u>RB – 2</u>	<u>JOHNSONITE #22 PEARL</u>
<u>RB – 3</u>	<u>JOHNSONITE #18 NAVY BLUE</u>

RB – 4                                      JOHNSONITE #29 MOON ROCK

CERAMIC TILE

- CT – 1                      CROSSVILLE CERAMICS A585 SEA MIST (6 X 6 - FLOOR)  
CT – 2                      CROSSVILLE CERAMICS A830 ATLANTIC GREY (6 X 6 - ACCENT ON FLOOR)  
CT – 3                      CROSSVILLE CERAMICS A830 ATLANTIC GREY POLISHED FINISH (6 X 6 -  
                                    WALL)  
CT – 4   CROSSVILLE CERAMICS A246 PACIFIC SURF POLISHED FINISH (6 X 6 - ACCENT  
                                    ON WALLS)  
QT – 1   CROSSVILLE CERAMICS VERANDA STONE – MOUNTAIN STONE AV33 TENTON  
                                    (12 X 12 - ATRIUM FLOOR)  
QT – 2   CROSSVILLE CERAMICS A815 STEEL BLUE (COVED BASE – ATRIUM)

PAINT

- PNT – 1              SHERWIN WILLIAMS SW1011 MINIMAL WHITE (CEILINGS)  
PNT – 2              SHERWIN WILLIAMS SW1228 STARDUST  
PNT – 3              SHERWIN WILLIAMS SW1165 SUBTLE SAGE  
PNT – 4              SHERWIN WILLIAMS SW1080 MERINO WOOL  
PNT – 5              SHERWIN WILLIAMS SW1239 MATISSE BLUE  
PNT – 6              SHERWIN WILLIAMS SW1225 BLUE HERON  
PNT – 7              SHERWIN WILLIAMS SW1229 ENCHANTED EVENING (HOLLOW METAL  
                                    DOORS)  
PNT – 8              SHERWIN WILLIAMS SW1525 REGALIA BLUE (DOOR FRAMES AND STAIR  
                                    RAILS)

VINYL WALLCOVERING

- VWC – 1              KOROSEAL WALLCOVERING CARRERA U321-77 MISTRAL (CORRIDORS)

CORNER GUARD

- CG – 1                                      JOHNSONITE #79 BONE WHITE

PLASTIC LAMINATES

- PLAM – 1              NEVAMAR MR-6-5T WINTER GRAY MATRIX TEXTURED (BUILT-IN  
                                    WORKSURFACES)  
PLAM – 2              NEVAMAR TQ-6-1T GRAY TRANQUILITY TEXTURED (COUNTER TOPS)  
PLAM – 3              NEVAMAR AM-6-1T ALUMINITE TEXTURED (CABINETS)

FURNITURE PLASTIC LAMINATES

KI TABLES FRENCH BLUE MATRIX (MR-3-3T)

NEVERS LECTURN WILSONART 4557-60 DAKOTA RIDGE

UPHOLSTERY FABRICS

REGENCY 4704 SKIPPER BLUE (HIGH BACK AND MID BACK DESK CHAIRS)  
RHYTHM FR 8742 INDIGO (LOUNGE SEATING AND GUEST SEATING IN OFFICES)  
MARQUIS 3208 BLUE MIX (GUEST SEATING – SLED BASED)  
CRACKED ICE II 2206 DUSK (LIBRARY SEATING – LOW BACK CHAIRS)  
CONFETTI FR 2540 ATLANTIS (CLASSROOM SEATING)  
ARMOUR 4412 BORDEAUX (DRAFTING STOOLS)

SYSTEMS FURNITURE FINISHES

LAMINATE 91562 SAND GRANDIN W/GRAY TRIM ON WORKSURFACES, PANELS AND  
OVERHEAD STORAGE. ALL FILES, BOOKCASES AND UNDER  
WORKSURFACE STORAGE WILL BE BLACK.

FABRICS CREPE 1558 IRON ORE (PANEL FABRIC)  
CREPE 1556 LAPIS (TACKBOARD FABRIC)  
CREPE 1565 BLUE LACE (OVERHEAD CABINET DOORS)

KNOLL FREESTANDING DESK-BASED FURNITURE FINISHES

LAMINATE S-90M52 LIGHT GRAY (WORKSURFACES)

PAINT SPT-U LIGHT METALLIC GREY (OVERHEAD CABINETS AND TRIM)

SPT-V DARK METALLIC GREY (PEDESTALS, FILES, BOOKCASES AND  
UNDER WORKSURFACE STORAGE)

FABRIC WALKABOUT W230/1 BLUE (TACKBOARD AND SCREEN)

EXTERIOR FINISHES: Metal Roof shall be “Forest Green,” as manufactured by Northwest Sheet  
Metal, or approved equal. Metal siding shall be “Parchment,” as manufactured by Northwest Sheet  
Metal, or approved equal. Brick shall be “Oxford,” mission textured, as manufactured by Mutual  
Materials Co., or approved equal.

END OF SECTION

PROJECT: PIER 23 USARC/MARINE AMSA

COMPLETED BY:

WX

DATE:

07 18 01

SUBJECT: AMENDMENT NO. 1  
SUPPLEMENTAL DRAWING INFORMATION

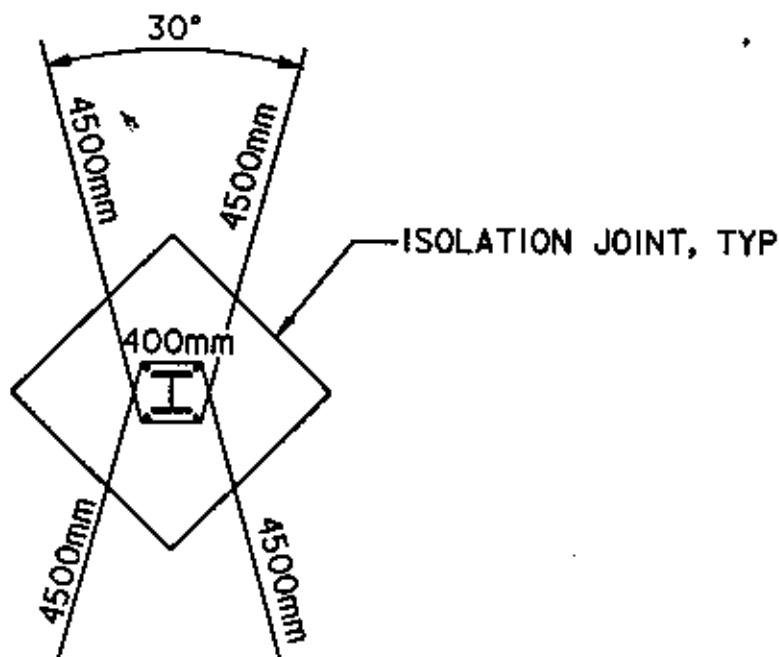
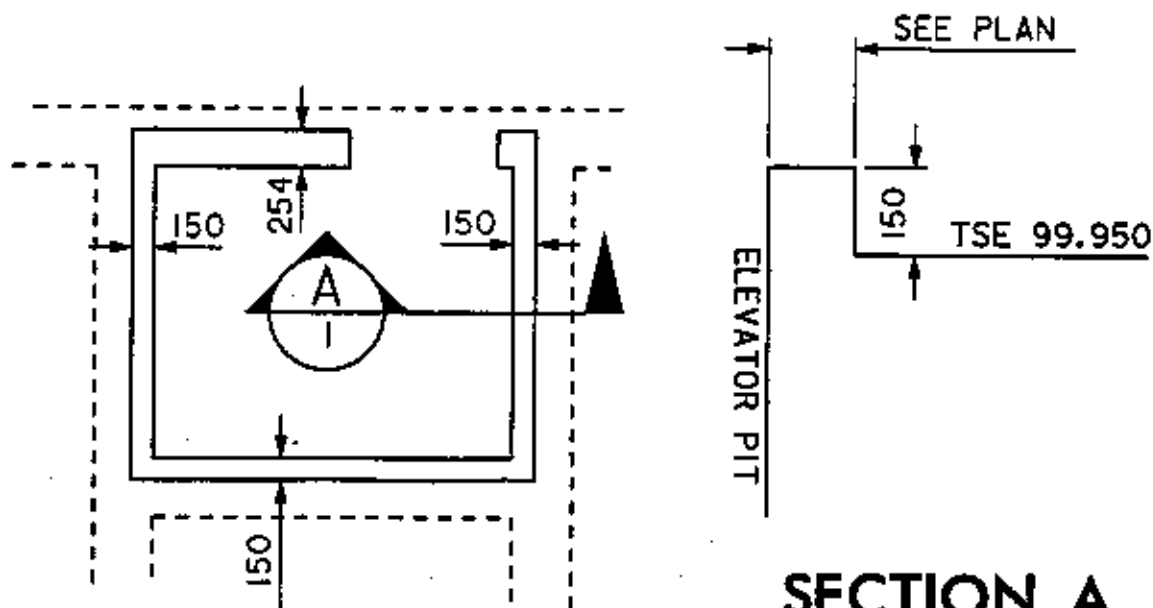
CHECKED BY:

SN

SHT.

1 OF 1

PART:

**SLAB HAIRPIN DETAIL** (REF: Plate S2.2)

(REF: Plate S2.2)

(REF: Section G, Plate S0.4)

**ELEVATOR PIT CURB DETAIL**

GENERAL DECISION **WA020001** 07/05/2002 WA1

Date: July 5, 2002

General Decision Number **WA020001**

Superseded General Decision No. WA010001

State: Washington

Construction Type:

DREDGING

HEAVY

HIGHWAY

County(ies):

STATEWIDE

HEAVY AND HIGHWAY AND DREDGING CONSTRUCTION PROJECTS

(Excludes D.O.E. Hanford Site in Benton and Franklin Counties)

Modification Number	Publication Date
0	03/01/2002
1	03/08/2002
2	03/15/2002
3	03/29/2002
4	04/19/2002
5	05/03/2002
6	05/10/2002
7	06/07/2002
8	06/21/2002
9	07/05/2002

COUNTY(ies):

STATEWIDE

CARP0001W 06/01/2002

	Rates	Fringes
COLUMBIA RIVER AREA - ADAMS, BENTON, COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GRANT, OKANOGAN (EAST OF THE 120TH MERIDIAN) AND WALLA WALLA COUNTIES		

CARPENTERS:

GROUP 1:	23.58	6.25
GROUP 2:	24.69	6.25
GROUP 3:	23.85	6.25
GROUP 4:	23.58	6.25
GROUP 5:	58.43	6.25
GROUP 6:	27.72	6.25

SPOKANE AREA: ASOTIN, GARFIELD, LINCOLN, PEND OREILLE, SPOKANE, STEVENS AND WHITMAN COUNTIES

CARPENTERS:

GROUP 1:	22.91	6.25
GROUP 2:	24.01	6.25
GROUP 3:	23.17	6.25
GROUP 4:	22.91	6.25
GROUP 5:	56.77	6.25
GROUP 6:	27.00	6.25

#### CARPENTERS CLASSIFICATIONS

GROUP 1: Carpenter; Burner-Welder; Rigger and Signaler; Insulators (all types), Acoustical, Drywall and Metal Studs, Metal Panels and Partitions; Floor Layer, Sander, Finisher and Astro Turf; Layout Carpenters; Form Builder; Rough Framers; Outside or Inside Finisher, including doors, windows, and jams; Sawfiler; Shingler (wood, composition) Solar, Fiberglass, Aluminum or Metal; Scaffold Erecting and Dismantling; Stationary Saw-Off Bearer; Wire, Wood and Metal Lather Applicator

GROUP 2: Millwright, machine erector

GROUP 3: Piledriver - includes driving, pulling, cutting, placing collars, setting, welding, or creosote treated material, on all piling

GROUP 4: Bridge, dock and wharf carpenters

GROUP 5: Divers

GROUP 6: Divers Tender

#### DEPTH PAYY FOR DIVERS:

Each foot over 50-100 feet	\$1.00
Each foot over 100-175 feet	2.25
Each foot over 175-250 feet	5.50

#### HAZMAT PROJECTS

Anyone working on a HAZMAT job (task), where HAZMAT certification is required, shall be compensated at a premium, in addition to the classification working in as follows:

LEVEL D + \$.25 per hour - This is the lowest level of protection. No respirator is used and skin protection is minimal.

LEVEL C + \$.50 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B + \$.75 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit".

LEVEL A +\$1.00 per hour - This level utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line.

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CARP00030 12/01/2001

	Rates	Fringes
SOUTHWEST WASHINGTON: CLARK, COWLITZ, KLICKITAT, LEWIS(Piledriver only), PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to Willapa Bay to the Pacific Ocean), SKAMANIA AND WAHAKIUM COUNTIES and INCLUDES THE ENTIRE PENINSULA WEST OF WILLAPA BAY		

SEE ZONE DESCRIPTION FOR CITIES BASE POINTS

ZONE 1:

CARPENTERS; ACOUSTICAL	26.83	8.29
DRYWALL	26.83	8.29
FLOOR LAYERS & FLOOR FINISHERS (the laying of all hardwood floors nailed and mastic set, parquet and wood-type tiles, and block floors, the sanding and finishing of floors, the preparation of old and new floors when the materials mentioned above are to be installed); INSULATORS (fiberglass and similar irritating materils	26.98	8.29
MILLWRIGHTS	27.33	8.29
PILEDRIVERS	27.33	8.29
DIVERS	63.75	8.29
DIVERS TENDERS	29.33	8.29

DEPTH PAY

50 TO 100 FEET	\$1.00 PER FOOT OVER 50 FEET
100 TO 150 FEET	1.50 PER FOOT OVER 100 FEET
150 TO 200 FEET	2.00 PER FOOT OVER 150 FEET

Zone Differential (Add up Zone 1 rates):

Zone 2 - \$0.85

Zone 3 - 1.25

Zone 4 - 1.70

Zone 5 - 2.00

Zone 6 - 3.00

BASEPOINTS: ASTORIA, LONGVIEW, PORTLAND, THE DALLES,  
AND VANCOUVER, (NOTE: All dispatches for Washington State  
Counties: Cowlitz, Wahkiakum and Pacific shall be from Longview  
Local #1707 and mileage shall be computed from that point.)

ZONE 1: Projects located within 30 miles of the respective  
city hall of the above mentioned cities

ZONE 2: Projects located more than 30 miles and less than 40  
miles of the respective city of the above mentioned  
cities

ZONE 3: Projects located more than 40 miles and less than 50  
miles of the respective city of the above mentioned  
cities

ZONE 4: Projects located more than 50 miles and less than 60  
miles of the respective city of the above mentioned  
cities.

ZONE 5: Projects located more than 60 miles and less than 70  
miles of the respective city of the above mentioned  
cities

ZONE 6: Projects located more than 70 miles of the respected  
city of the above mentioned cities

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CARP0770D 06/01/2002

Rates                      Fringes

WESTERN WASHINGTON: CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON,  
KING, KITSAP, LEWIS (excludes piledrivers only), MASON,  
PACIFIC (North of a straight line made by extending the north  
boundary line of Wahkiakum County west to the Pacific Ocean),  
PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM  
COUNTIES

CARPENTERS AND DRYWALL APPLICATORS	27.95	8.05
CARPENTERS ON CREOSOTE MATERIAL	28.05	8.05
INSULATION APPLICATORS	25.50	8.05
SAWFILERS, STATIONARY POWER SAW OPERATORS, FLOOR FINISHER, FLOOR LAYER, SHINGLER, FLOOR SANDER OPERATOR AND OPERATORS OF OTHER STATIONARY WOOD WORKING TOOLS	28.08	8.05
MILLWRIGHT AND MACHINE ERECTORS	28.95	8.05
ACOUSTICAL WOKRERS	28.11	8.05
PILEDRIIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED MATERIAL, ALL PILING	28.15	8.05
PILEDRIIVER, BRIDGE, DOCK & WHARF CARPENTERS	27.95	8.05
DIVERS	68.97	8.05
DIVERS TENDER	30.68	8.05

(HOURLY ZONE PAY APPLICABLE TO ALL CLASSIFICATIONS EXCEPT

MILLWRIGHT AND PILEDRIIVER)

Hourly Zone Pay shall be paid on jobs located outside  
of the free zone computed from the city center of the  
following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay	
0 -25 radius miles	Free
25-35 radius miles	\$1.00/hour
35-45 radius miles	\$1.15/hour
45-55 radius miles	\$1.35/hour
Over 55 radius miles	\$1.55/hour

(HOURLY ZONE PAY - MILLWRIGHT AND PILEDRIIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union  
Hall, Tacoma City center, and Everett City center

Zone Pay



0 -25 radius miles	Free
25-45 radius miles	\$ .70/hour
Over 45 radius miles	\$1.50/hour

CENTRAL WASHINGTON: CHELAN, DOUGLAS (WEST OF THE 120TH MERIDIAN), KITTITAS, OKANOGAN (WEST OF THE 120TH MERIDIAN) AND YAKIMA COUNTIES

CARPENTERS AND DRYWALL APPLICATORS	20.72	7.82
CARPENTERS ON CREOSOTED MATERIAL	20.82	7.82
INSULATION APPLICATORS	20.72	7.82
SAWFILERS, STATIONARY POWER S37 OPERATORS, FLOOR FINISHER, FLOOR LAYER, SHINGLERS, FLOOR SANDER OPERATORS	20.85	7.82
MILLWRIGHT AND MACHINE ERECTORS	28.95	7.82
PILEDRIIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED MATERIAL, ALL PILING	28.15	7.82
PILEDRIIVER, BRIDGE DOCK AND WHARF CARPENTERS	27.95	7.82
DIVERS	68.97	8.05
DIVERS TENDER	30.68	8.05

(HOURLY ZONE PAY APPLICABLE TO ALL CLASSIFICATIONS EXCEPT MILLWRIGHT AND PILEDRIIVER)

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay	
0 -25 radius miles	Free
25-35 radius miles	\$1.00/hour
35-45 radius miles	\$1.15/hour
45-55 radius miles	\$1.35/hour
Over 55 radius miles	\$1.55/hour

(HOURLY ZONE PAY - MILLWRIGHT AND PILEDRIIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay	
0 -25 radius miles	Free
25-45 radius miles	\$ .70/hour
Over 45 radius miles	\$1.50/hour

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ELEC0046A	06/03/2002		
		Rates	Fringes
CALLAM, JEFFERSON, KING AND KITSAP COUNTIES			
ELECTRICIANS		33.50	3%+9.57
CABLE SPLICERS		36.85	3%+9.57

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\* ELEC0048C 07/01/2002

		Rates	Fringes
CLARK, KLINKITAT AND SKAMANIA COUNTIES			
ELECTRICIANS		30.80	3%+11.15
CABLE SPLICERS		31.05	3%+11.15

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\* ELEC0073A 07/01/2002

		Rates	Fringes
ADAMS, FERRY, LINCOLN, PEND OREILLE, SPOKANE, STEVENS, WHITMAN COUNTIES			
ELECTRICIANS		23.82	3%+10.23
CABLE SPLICERS		24.22	3%+10.23

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\* ELEC0076B 07/01/2002

		Rates	Fringes
GRAYS HARBOR, LEWIS, MASON, PACIFIC, PIERCE, AND THURSTON COUNTIES			
ELECTRICIANS		30.23	3%+10.34
CABLE SPLICERS		33.25	3%+10.34

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ELEC0077C 02/01/2002

		Rates	Fringes
LINE CONSTRUCTION:			
CABLE SPLICERS		35.44	3.875%+7.20
LINEMEN, POLE SPRAYERS,			
HEAVY LINE EQUIPMENT MAN		31.96	3.875%+7.20
LINE EQUIPMENT MEN		27.91	3.875%+5.45
POWDERMEN, JACKHAMMERMEN		24.72	3.875%+5.45
GROUND MEN		23.27	3.875%+5.45
TREE TRIMMER		22.46	3.875%+5.45

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ELEC0112E 01/01/2002

		Rates	Fringes
ASOTIN, BENTON, COLUMBIA, FRANKLIN, GARFIELD, KITTITAS, WALLA WALLA, YAKIMA COUNTIES			
ELECTRICIANS		27.75	3%+8.63
CABLE SPLICERS		29.14	3%+8.63

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ELEC0191C 08/31/2001

	Rates	Fringes
ISLAND, SAN JUAN, SNOHOMISH, SKAGIT AND WHATCOM COUNTIES		
ELECTRICIANS	29.66	3%+8.33
CABLE SPLICERS	33.23	3%+8.33

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ELEC0191D 08/31/2001		
CHELAN, DOUGLAS, GRANT AND OKANOGAN COUNTIES		
ELECTRICIANS	26.66	3%+8.03
CABLE SPLICERS	29.33	3%+8.03

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ELEC0970A 06/01/2002		
COWLITZ AND WAHKIAKUM COUNTIES		
ELECTRICIANS	28.55	3%+8.75
CABLE SPLICERS	31.41	3%+8.75

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ENGI0302E 06/01/2002		
CHELAN (WEST OF THE 120TH MERIDIAN), CLALLAM, DOUGLAS (WEST OF THE 120TH MERIDIAN), GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, KITTITAS, MASON, OKANOGAN (WEST OF THE 120TH MERIDIAN), SAN JUAN, SKAGIT, SNOHOMISH, WHATCOM AND YAKIMA (WEST OF THE 120TH MERIDIAN) COUNTIES		
PROJECTS		

CATEGORY A PROJECTS (excludes Category B projects, as show below)

POWER EQUIPMENT OPERATORS:  
 Zone 1 (0-25 radius miles):

GROUP 1AAA	31.14	8.40
GROUP 1AA	30.64	8.40
GROUP 1A	30.14	8.40
GROUP 1	29.64	8.40
GROUP 2	29.20	8.40
GROUP 3	28.84	8.40
GROUP 4	26.74	8.40

Zone 2 (26-45 radius miles) - Add \$ .70 to Zone 1 rates  
 Zone 3 (Over 45 radius miles) - Add \$1.00 to Zone 1 rates

BASEPOINTS: Bellingham, Mount Vernon, Kent, Port Angeles, Port Townsend, Aberdeen, Shelton, Bremerton, Wenatchee, Yakima, Seattle, Everett

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons or 300 ft. of boom (including job with attachments)

GROUP 1AA - Cranes - 200 tons to 300 tons or 250 ft. of boom (including jib and attachments); Tower crane over 175 ft. in height, base to boom

GROUP 1A - Cranes - 100 tons thru 199 tons or 150' of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft. in height base to boom; Loader-overhead, 8 yards and over; Shovel, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes-45 tons thru 99 tons, under 150 ft. of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Shovel, excavator, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader-overhead, 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, d-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self-propelled-45 yards and over; Slipform pavers; Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Barch Plant opeator-concrete; Bump cutter; Cranes-20 tons thru 44 tons with attachments; Cranes-overheads, bridge type-20 tons through 44

tons; Chipper; Concrete pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel backhoe-3 yards and under; Finishing machine Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders, overhead under 6 yds.; Loaders-plant feed; Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor patrol graders-finishing; Pildriver (other than crane mount); Roto-mill, roto-grinder; Screedman, Spreader, Topside Operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self-propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrader trimmer; Tractors, backhoes-over 75 hp; Transfer material service machine-shuttle buggy, blow knox, roadtec; Truck crane oiler/driver-100 tons and over; Truck mount portable conveyor;Yo Yo Pay Dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; Cranes-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers D9 and under; Forklifts-3000 lbs and over with attachments; horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strao tower bucket elevators; Hydralifts/boom truck-over 10 tons; Loader-elevating type belt; Motor Patrol Grader-non-finishing; Plant Oiler-asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrapers-concrete and carryall; Service engineers-equipment; Trenching machines; Truck crane oiler/driver-under 100 tons Tractors, backhoes-under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes-A-frame-10 tons and under; Elevator and manlift-permanent and shaft type; Forklifts-under 3000 lbs. with attachments; Gradechecker,

stakehop; Hydralifts, boom trucks-10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Post Hole Digger-mechanical; Power Plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shot crete/gunite equipment operator

CATEGORY B PROJECTS - 95% of the basic hourly rate for each group plus full fringe benefits applicable to Category A projects shall apply to the following projects. Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and structures whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

WORK PERFORMED ON HYDRAULIC DREDGES:

Total Project Cost \$300,000 and over

GROUP 1	28.38	8.40
GROUP 2	28.48	8.40
GROUP 3	28.82	8.40
GROUP 4	28.87	8.40
GROUP 5	30.26	8.40
GROUP 6	28.38	8.40

GROUP 1: Assistant Mate (Deckhand)  
 GROUP 2: Oiler  
 GROUP 3: Assistant Engineer (Electric, Diesel, Steam or Booster Pump); Mates and Boatmen  
 GROUP 4: Craneman, Engineer Welder  
 GROUP 5: Leverman, Hydraulic  
 GROUP 6: Maintenance

Total Project cost under \$300,000

GROUP 1	26.96	8.40
GROUP 2	27.06	8.40
GROUP 3	27.38	8.40
GROUP 4	27.43	8.40
GROUP 5	28.75	8.40
GROUP 6	26.96	8.40

GROUP 1: Assistant Mate (Deckhand)  
 GROUP 2: Oiler  
 GROUP 3: Assistant Engineer (Electric, Diesel, Steam, or Booster Pump); Mates and Boatmen  
 GROUP 4: Craneman, Engineer Welder  
 GROUP 5: Leverman, Hydraulic  
 GROUP 6: Maintenance

HEAVY WAGE RATES (CATEGORY A) APPLIES TO CLAM SHELL DREDGE, HOE AND DIPPER, SHOVELS AND SHOVEL ATTACHMENTS, CRANES AND BULLDOZERS.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing

H-2 Class "C" Suit - Base wage rate plus \$.25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$.75 per hour.

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ENGI0370C 06/01/2002

	Rates	Fringes
ADAMS, ASOTIN, BENTON, CHELAN (EAST OF THE 120TH MERIDIAN), COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN (EAST OF THE 120TH MERIDIAN), PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA (EAST OF THE 120TH MERIDIAN) COUNTIES		

ZONE 1:

POWER EQUIPMENT OPERATORS:

GROUP 1A	20.94	6.02
GROUP 1	21.49	6.02
GROUP 2	21.81	6.02
GROUP 3	22.42	6.02
GROUP 4	22.58	6.02
GROUP 5	22.74	6.02
GROUP 6	23.02	6.02
GROUP 7	23.29	6.02
GROUP 8	24.39	6.02

ZONE DIFFERENTIAL (Add to Zone 1 rate): Zone 2 - \$2.00

Zone 1: Within 45 mile radius of Spokane, Moses Lake, Pasco, Washington; Lewiston, Idaho

Zone 2: Outside 45 mile radius of Spokane, Moses Lake, Pasco, Washington; Lewiston, Idaho

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1A: Boat Operator; Crush Feeder; Oiler; Steam Cleaner

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors (under 2000 CFM, gas, diesel, or electric power); Deck Hand; Drillers Helper (Assist driller in making drill rod connections, service drill engine and air compressor, repair drill rig and drill tools, drive drill support truck to and on the job site, remove drill cuttings from around bore hole and inspect drill rig while in operation); Fireman & Heater Tender; Grade Checker; Hydro-seeder, Mulcher, Nozzleman; Oiler Driver, & Cable Tender, Mucking Machine; Pumpman; Rollers, all types on subgrade, including seal and chip coatings (farm type, Case, John Deere &

similar, or Compacting Vibrator), except when pulled by Dozer with operable blade; Welding Machine

GROUP 2: A-frame Truck (single drum); Assistant Refrigeration Plant (under 1000 ton); Assistant Plant Operator, Fireman or Pugmixer (asphalt); Bagley or Stationary Scraper; Belt Finishing Machine; Blower Operator (cement); Cement Hog; Compressor (2000 CFM or over, 2 or more, gas diesel or electric power); Concrete Saw (multiple cut); Distributor Leverman; Ditch Witch or similar; Elevator Hoisting Materials; Dope Pots (power agitated); Fork Lift or Lumber Stacker, hydra-lift & similar; Gin Trucks (pipeline); Hoist, single drum; Loaders (bucket elevators and conveyors); Longitudinal Float; Mixer (portable-concrete); Pavement Breaker, Hydra-Hammer & similar; Power Broom; Railroad Ballast Regulation Operator (self-propelled); Railroad Power Tamper Operator (self-propelled); Railroad Tamper Jack Operator (self-propelled); Spray Curing Machine (concrete); Spreader Box (self-propelled); Straddle Buggy (Ross & similar on construction job only); Tractor (Farm type R/T with attachment, except Backhoe); Tugger Operator

GROUP 3: A-frame Truck (2 or more drums); Assistant Refrigeration Plant & Chiller Operator (over 1000 ton); Backfillers (Cleveland & similar); Batch Plant & Wet Mix

Operator, single unit (concrete); Belt-Crete Conveyors with power pack or similar; Belt Loader (Kocal or similar); Bending Machine; Bob Cat; Boring Machine (earth); Boring Machine (rock under 8" bit) (Quarry Master, Joy or similar); Bump Cutter (Wayne, Saginaw or similar); Canal Lining Machine (concrete); Chipper (without crane); Cleaning & Doping Machine (pipeline); Deck Engineer; Elevating Belt-type Loader (Euclid, Barber Green & similar); Elevating Grader-type Loader (Dumora, Adams or similar); Generator Plant Engineers (diesel or electric); Gunnite Combination Mixer & Compressor; Locomotive Engineer; Mixermobile; Mucking Machine; Posthole Auger or Punch; Pump (grout or jet); Soil Stabilizer (P & H or similar); Spreader Machine; Tractor (to D-6 or equivalent) and Traxcavator; Traverse Finish Machine; Turnhead Operator

GROUP 4: Concrete Pumps (squeeze-crete, flow-crete, pump-crete, Whitman & similar); Curb Extruder (asphalt or concrete); Drills (churn, core, calyx or diamond)(operate drilling machine, drive or transport drill rig to and on job site and weld well casing); Equipment Serviceman; Greaser & Oiler; Hoist (2 or more drums or Tower Hoist); Loaders (overhead & front-end, under 4 yds. R/T); Refrigeration Plant Engineer (under 1000 ton); Rubber-tired Skidders (R/T with or without attachments); Surface Heater & Plant Machine; Trenching Machines (under 7 ft. depth capacity); Turnhead (with re-screening); Vacuum Drill (reverse circulation drill under 8" bit)

GROUP 5: Backhoe (under 45,000 gw); Backhoe & Hoe Ram (under 3/4 yd.); Carrydeck & Boom Truck (under 25 tons); Cranes (25 tons & under), all attachments including clamshell, dragline; Derricks & Stifflegs (under 65 tons); Drilling Equipment(8" bit & over) (Robbins, reverse circulation & similar)(operates drilling

machine, drive or transport drill rig to and on job site and weld well casing); Hoe Ram; Piledriving Engineers; Paving (dual drum); Railroad Track Liner Operatr (self-propelled); Refrigeration Plant Engineer (1000 tons & over); Signalman (Whirleys, Highline Hammerheads or similar)

GROUP 6: Asphalt Plant Operator; Automatic Subgrader (Ditches & Trimmers)(Autograde, ABC, R.A. Hansen & similar on grade wire); Backhoe (45,000 gw and over to 110,000 gw); Backhoes & Hoe Ram (3/4 yd. to 3 yd.); Batch Plant (over 4 units); Batch & Wet Mix Operator (multiple units, 2 & incl. 4); Blade Operator (motor patrol & attachments, Athey & Huber); Boom Cats (side); Cable Controller (dispatcher); Clamshell Operator (under 3 yds.); Compactor (self-propelled with blade); Concrete Pump Boom Truck; Concrete Slip Form Paver; Cranes (over 25 tons, to and including 45 tons), all attachments including clamshell, dragline; Crusher, Grizzle & Screening Plant Operator; Dozer, 834 R/T & similar; Draglines (under 3 yds.); Drill Doctor; H.D. Mechanic; H.D. Welder; Loader Operator (front-end & overhead, 4 yds. incl. 8 yds.); Multiple Dozer Units with single blade; Paving Machine (asphalt and concrete); Quad-Track or similar equipment; Rollerman (finishing asphalt pavement); Roto Mill (pavement grinder); Scrapers, all, rubber-tired; Screed Operator; Shovel(under 3 yds.); Tractors (D-6 & equivalent & over); Trenching Machines (7 ft. depth & over); Tug Boat Operator Vactor guzzler, super sucker

GROUP 7: Backhoe (over 110,000 gw); Backhoes & Hoe Ram (3 yds & over); Blade (finish & bluetop) Automatic, CMI, ABC, Finish Athey & Huber & similar when used as automatic; Cableway Operators; Concrete Cleaning/Decontamination machine operator; Cranes (over 45 tons to but not including 85 tons), all attachments including clamshell and dragline; Derricks & Stiffleys (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL

GROUP 8: Cranes (85 tons and over, and all climbing, overhead, rail and tower), all attachments including clamshell, dragline; Loaders (overhead and front-end, 10 yards and over); Helicopter Pilot

BOOM PAY: (All Cranes, Including Tower)  
180' to 250'       \$ .30 over scale  
Over 250'         \$ .60 over scale

NOTE: In computing the length of the boom on Tower Cranes, they shall be measured from the base of the Tower to the point of the boom.

HAZMAT: Anyone working on HAZMAT jobs, working with supplied air shall receive \$1.00 an hour above classification.

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ENGI0370G 06/01/2001

Rates                      Fringes

ADAMS, ASOTIN, BENTON, CHELAN (EAST OF THE 120TH MERIDIAN),  
COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN,  
GARFIELD, GRANT, LINCOLN, OKANOGAN (EAST OF THE 120TH MERIDIAN),  
PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA  
(EAST OF THE 120TH MERIDIAN) COUNTIES

WORK PERFORMED ON HYDRAULIC DREDGES

GROUP 1:	24.73	5.77
GROUP 2:	25.10	5.77
GROUP 3:	25.13	5.77
GROUP 4:	25.52	5.77
GROUP 5:	24.73	5.77

GROUP 1: Assistant Mate (Deckhand) and Oiler  
GROUP 2: Assistant Engineer (Electric, Diesel, Steam, or  
Booster Pump); Mates and Boatmen  
GROUP 3: Engineer Welder  
GROUP 4: Leverman, Hydraulic  
GROUP 5: Maintenance

HEAVY WAGE RATES APPLIES TO CLAM SHELL DREDGE, HOE AND DIPPER,  
SHOVELS AND SHOVEL ATTACHMENTS, CRANES AND BULLDOZERS.

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ENGI0612A 06/01/2002

Rates                      Fringes

LEWIS, PIERCE, PACIFIC (THAT PORTION WHICH LIES NORTH OF A  
PARALLEL LINE EXTENDED WEST FROM THE NORTHERN BOUNDARY OF  
WAHKAUKUM COUNTY TO THE SEA IN THE STATE OF WASHINGTON) AND  
THURSTON COUNTIES

PROJECTS:

CATEGORY A PROJECTS (excludes Category B projects, as shown  
below)

POWER EQUIPMENT OPERATORS:

ZONE 1 (0-25 radius miles):

GROUP 1AAA	31.14	8.40
GROUP 1AA	30.64	8.40
GROUP 1A	30.14	8.40
GROUP 1	29.64	8.40
GROUP 2	29.20	8.40
GROUP 3	28.94	8.40
GROUP 4	26.74	8.40

ZONE 2 (26-45 radius miles) - Add \$.70 to Zone 1 rates

ZONE 3 (Over 45 radius miles) - Add \$1.00 to Zone 1 rates

BASEPOINTS: Tacoma, Olympia, and Centralia

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-300 tons, or 300 ft of boom (including jib  
with attachments)

GROUP 1AA - Cranes 200 tons to 300 tons, or 250 ft of boom (including jib with attachments); Tower crane over 175 ft in height, base to boom

GROUP 1A - Crane 100 tons thru 199 tons, or 150 of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Shovel, excavator, backhoes-6 yds and over with attachments

GROUP 1 - Cableways; Cranes-45 tons thru 99 tons, under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type - 45 tons thru 99 tons; Excavator, shovel, backhoes over 3 yards and under 6 yards; hard tail end dump articulating off-road equipment 45 yards and over; loader-overhead 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self-propelled-45 yds and over; Slipform pavers; Transporters-all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-concrete; Bump cutter; Cranes-20 tons through 44 tons with attachments; Crane-overhead, bridge type-20 tons thru 44 tons;

Chipper, Concrete Pump-truck mounted with boom attachment; Crushers; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel, backhoe-3yards and under; Finishing machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders, overhead under 6 yds.; Loaders, plant feed; Locomotive-all; Mechanics-all; Mixers, asphalt plant; Motor patrol graders-finishing; Piledriver (other than crane mount); Roto-mill, roto grinder; screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self propelled, hard tail end dump, articulating off-road equipment under 45 yds.; Subgrader trimmer; Tractors, backhoes over 75 hp.; Transfer material service machine-shuttle buggy, Blaw Knox-Roadtec; Truck Crane Oiler/driver-100 tons and over, Truck Mount Portable Conveyor; Yo Yo Pay dozer.

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; Cranes-A-frame over 10 tons; Drill Oilers-Auger type, truck or crane mount; Dozers-D-9 and under; Forklifts-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/Boom Trucks-over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant Oiler-Asphalt, Crusher; Pumps, Concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrapers-Concrete and Carry all; Trenching machines; Truck Crane Oiler/Driver-under 100 tons; Tractor, backhoe-under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Crane-A-Frame, 10 tons and under; Elevator and manlift-permanent and shaft type; Forklifts-under 3000 lbs. with attachments; Gradechecker,

stakehop; Hydralifts, boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole Digger-mechanical; Power plant; Pumps-Water; Roller-other than Plant Mix; Wheel Tractors, Farmall type; Shotcrete/Gunite Equipment Operator

CATEGORY B PROJECTS - 95% of the basic hourly rate for each group plus full fringe benefits applicable to Category A projects shall apply to the following projects: Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and structures whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000

WORK PERFORMED ON HYDRAULIC DREDGES:

Total Project cost \$300,000 and over

GROUP 1	28.38	8.40
GROUP 2	28.48	8.40
GROUP 3	28.82	8.40
GROUP 4	28.87	8.40
GROUP 5	30.26	8.40
GROUP 6	28.38	8.40

GROUP 1: Assistant Mate (Deckhand)  
 GROUP 2: Oiler  
 GROUP 3: Assistant Engineer (Electric, Diesel, Steam or Booster Pump); Mates and Boatmen  
 GROUP 4: Craneman, Engineer Welder  
 GROUP 5: Leverman, Hydraulic  
 GROUP 6: Maintenance

Total Project Cost under \$300,000

GROUP 1	26.96	8.40
GROUP 2	27.06	8.40
GROUP 3	27.38	8.40
GROUP 4	27.43	8.40
GROUP 5	28.75	8.40
GROUP 6	26.96	8.40

GROUP 1: Assistant Mate (Deckhand)  
 GROUP 2: Oiler  
 GROUP 3: Assistant Engineer (Electric, Diesel, Steam or Booster Pump); Mates and Boatmen  
 GROUP 4: Craneman, Engineer Welder  
 GROUP 5: Leverman, Hydraulic  
 GROUP 6: Maintenance

HEAVY WAGE RATES APPLIES TO CLAM SHEEL DREDGE, HOE AND DIPPER, SHOVELS AND SHOVEL ATTACHMENTS, CRANES AND BULLDOZERS

HANDLING OF HAZARDOUS WASTE MATERIALS

H-1 - When not outfitted with protective clothing of  
level D equipment - Base wage rate  
H-2 - Class "C" Suit - Base wage rate + \$.25 per hour  
H-3 - Class "B" Suit - Base wage rate + \$.50 per hour  
H-4 - Class "A" Suit - Base wage rate +\$.75 per hour

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ENGI0701D 01/01/2002

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND  
WAHKIAKUM COUNTIES

POWER EQUIPMENT OPERATORS (See Footnote A)

ZONE 1:

	Rates	Fringes
GROUP 1	28.55	8.95
GROUP 1A	29.98	8.95
GROUP 1B	31.41	8.95
GROUP 2	27.34	8.95
GROUP 3	26.60	8.95
GROUP 4	26.09	8.95
GROUP 5	25.50	8.95
GROUP 6	23.20	8.95

Zone Differential (add to Zone 1 rates):

Zone 2 - \$1.50  
Zone 3 - 3.00

For the following metropolitan counties: MULTNOMAH; CLACKAMAS;  
MARION; WASHINGTON; YAMHILL; AND COLUMBIA; CLARK; AND COWLITZ  
COUNTY, WASHINGTON WITH MODIFICATIONS AS INDICATED:

All jobs or projects located in Multnomah, Clackamas and Marion  
Counties, West of the western boundary of Mt. Hood National  
Forest and West of Mile Post 30 on Interstate 84 and West of Mile  
Post 30 on State Highway 26 and West of Mile Post 30 on Highway  
22 and all jobs or projects located in Yamhill County, Washington  
County and Columbia County and all jobs or projects located in  
Clark & Cowlitz County, Washington except that portion of Cowlitz  
County in the Mt. St. Helens "Blast Zone" shall receive Zone I  
pay for all classifications.

All jobs or projects located in the area outside the identified  
boundary above, but less than 50 miles from the Portland City  
Hall shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the Portland  
City Hall, but outside the identified border above, shall receive  
Zone III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE; GRANTS  
PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective  
city hall of the above mentioned cities shall receive Zone I pay  
for all classifications.

All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone III pay for all classifications.

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: CONCRETE: Batch Plant and/or Wet Mix Operator, three units or more; CRANE: Helicopter Operator, when used in erecting work; Whirley Operator, 90 ton and over; LATTICE BOOM CRANE: Operator 200 tons through 299 tons, and/or over 200 feet boom; HYDRAULIC CRANE: Hydraulic Crane Operator 90 tons through 199 tons with luffing or tower attachments; FLOATING EQUIPMENT: Floating Crane, 150 ton but less than 250 ton

GROUP 1A: HYDRAULIC CRANE: Hydraulic Operator, 200 tons and over (with luffing or tower attachment); LATTICE BOOM CRANE: Operator, 200 tons through 299 tons, with over 200 feet boom; FLOATING EQUIPMENT: Floating Crane 250 ton and over

GROUP 1B: LATTICE BOOM CRANE: Operator, 300 tons through 399 tons with over 200 feet boom; Operator 400 tons and over; FLOATING EQUIPMENT: Floating Crane 350 ton and over

GROUP 2: ASPHALT: Asphalt Plant Operator (any type); Roto Mill, pavement profiler, operator, 6 foot lateral cut and over; BLADE: Auto Grader or "Trimmer" (Grade Checker required); Blade Operator, Robotic; BULLDOZERS: Bulldozer operator over 120,000 lbs and above; Bulldozer operator, twin engine; Bulldozer Operator, tandem, quadnine, D10, D11, and similar type; Bulldozere Robotic Equipment (any type; CONCRETE: Batch Plant and/or Wet Mix Operator, one and two drum; Automatic Concrete Slip Form Paver Operator; Concrete Canal Line Operator; Concrete Profiler, Diamond Head; CRANE: Cableway Operator, 25 tons and over; HYDRAULIC CRANE: Hydraulic crane operator 90 tons through 199 tons (with luffing or tower attachment); TOWER/WHIRLEY OPERATOR: Tower Crane Operator; Whirley Operator, under 90 tons; LATTICE BOOM CRANE: 90 through 199 tons and/or 150 to 200 feet boom; CRUSHER: Crusher Plant Operator; FLOATING EQUIPMENT: Floating Clamshell, etc.operator, 3 cu. yds. and over; Floating Crane (derrick barge) Operator, 30 tons but less than 150 tons; LOADERS: Loader operator, 120,000 lbs. and above; REMOTE CONTROL: Remote controlled earth-moving equipment; RUBBER-TIRED SCRAPERS: Rubber-tired scraper operator, with tandem scrapers, multi-engine; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Shovel, Dragline, Clamshell, operator 5 cu. yds and over; TRENCHING MACHINE: Wheel Excavator, under 750 cu. yds. per hour (Grade Oiler required); Canal Trimmer (Grade Oiler required); Wheel Excavator, over 750 cu. yds. per hour; Band Wagon (in conjunction with wheel excavator); UNDERWATER EQUIPMENT: Underwater Equipment Operator, remote or otherwise; HYDRAULIC HOES-EXCAVATOR: Excavator over 130,000 lbs.

GROUP 3: BULLDOZERS: Bulldozer operator, over 70,000 lbs. up to and including 120,000 lbs.; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (with luffing or tower attachment); LATTICE BOOM CRANES: Lattice Boom Crane-50 through 89 tons (and less than 150 feet boom); FORKLIFT: Rock Hound Operator; HYDRAULIC HOES-EXCAVATOR: excavator over 80,000 lbs. through 130,000 lbs.; LOADERS: Loader operator 60,000 and less than 120,000; RUBBER-TIRED SCRAPERS: Scraper Operator, with tandem scrapers; Self-loading, paddle wheel, auger type, finish and/or 2 or more units; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Shovel, Dragline, Clamshell operators 3 cu. yds. but less than 5 cu yds.

GROUP 4: ASPHALT: Screed Operator; Asphalt Paver operator (screeman required); BLADE: Blade operator; Blade operator, finish; Blade operator, externally controlled by electronic, mechanical hydraulic means; Blade operator, multi-engine; BULLDOZERS: Bulldozer Operator over 20,000 lbs and more than 100 horse up to 70,000 lbs; Drill Cat Operator; Side-boom Operator; Cable-Plow Operator (any type); CLEARING: Log Skidders; Chippers; Incinerator; Stump Splitter (loader mounted or similar type); Stump Grinder (loader mounted or similar type; Tub

Grinder; Land Clearing Machine (Track mounted forestry mowing & grinding machine); Hydro Axe (loader mounted or similar type); COMPACTORS SELF-PROPELLED: Compactor Operator, with blade; Compactor Operator, multi-engine; Compactor Operator, robotic; CONCRETE: Mixer Mobile Operator; Screed Operator; Concrete Cooling Machine Operator; Concrete Paving Road Mixer; Concrete Breaker; Reinforced Tank Banding Machine (K-17 or similar types); Laser Screed; CRANE: Chicago boom and similar types; Lift Slab Machine Operator; Boom type lifting device, 5 ton capacity or less; Hoist Operator, two (2) drum; Hoist Operator, three (3) or more drums; Derrick Operator, under 100 ton; Hoist Operator, stiff leg, guy derrick or similar type, 50 ton and over; Cableway Operator up to twenty (25) ton; Bridge Crane Operator, Locomotive, Gantry, Overhead; Cherry Picker or similar type crane hoist five (5) ton capacity or less; Hydraulic Crane Operator, under 50 tons; LATTICE BOOM CRANE OPERATOR: Lattice Boom Crane Operator, under 50 tons; CRUSHER: Generator Operator; Diesel-Electric Engineer; Grizzley Operator; DRILLING: Drill Doctor; Boring Machine Operator; Driller-Percussion, Diamond, Core, Cable, Rotary and similar type; Cat Drill (John Henry); Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Diesel-electric Engineer; Jack Operator, elevating barges, Barge Operator, self-unloading; Piledriver Operator (not crane type) (Deckhand required); Floating Clamshell, etc. Operator, under 3 cu. yds. (Fireman or Diesel-Electric Engineer required); Floating Crane (derrick barge) Operator, less than 30 tons; GENERATORS: Generator Operator; Diesel-electric Engineer; GUARDRAIL EQUIPMENT: Guardrail Punch Operator (all types); Guardrail Auger Operator (all types); Combination Guardrail machines, i.e., punch auger, etc.; HEATING PLANT: Surface Heater and Planer Operator; HYDRAULIC HOES EXCAVATOR: Robotic Hydraulic backhoe operator, track and wheel type up to and including 20,000 lbs. with any or all attachments; Excavator Operator over 20,000 lbs through 80,000 lbs.; LOADERS: Belt Loaders, Kolman and

Ko Cal types; Loaders Operator, front end and overhead, 25,000 lbs and less than 60,000 lbs; Elevating Grader Operator by Tractor operator, Sierra, Euclid or similar types; PILEDRIVERS: Hammer Operator; Piledriver Operator (not crane type); PIPELINE, SEWER WATER: Pipe Cleaning Machine Operator; Pipe Doping Machine Operator; Pipe Bending Machine Operator; Pipe Wrapping Machine Operator; Boring Machine Operator; Back Filling Machine Operator; REMOTE CONTROL: Concrete Cleaning Decontamination Machine Operator; Ultra High Pressure Water Jet Cutting Tool System Operator/Mechanic; Vacuum Blasting Machine Operator/mechanic; REPAIRMEN, HEAVY DUTY: Diesel Electric Engineer (Plant or Floating); Bolt Threading Machine operator; Drill Doctor (Bit Grinder); H.D. Mechanic; Machine Tool Operator; RUBBER-TIRED SCRAPERS: Rubber-tired Scraper Operator, single engine, single scraper; Self-loading, paddle wheel, auger type under 15 cu. yds.; Rubber-tired Scraper Operator, twin engine; Rubber-tired Scraper Operator, with push-pull attachments; Self Loading, paddle wheel, auger type 15 cu. yds. and over, single engine; Water pulls, water wagons; SHOVEL, DRAGLINE, CLAMSHELL, SKOOOPER OPERATOR: Diesel Electric Engineer; Stationary Drag Scraper Operator; Shovel, Dragline, Clamshell, Operator under 3 cy yds.; Grade-all Operator; SURFACE (BASE) MATERIAL: Blade mounted

spreaders, Ulrich and similar types; TRACTOR-RUBBERED TIRED: Tractor operator, rubber-tired, over 50 hp flywheel; Tractor operator, with boom attachment; Rubber-tired dozers and pushers (Michigan, Cat, Hough type); Skip Loader, Drag Box; TRENCHING MACHINE: Trenching Machine operator, digging capacity over 3 ft depth; Back filling machine operator; TUNNEL: Mucking machine operator

GROUP 5: ASPHALT: Extrusion Machine Operator; Roller Operator (any asphalt mix); Asphalt Burner and Reconditioner Operator (any type); Roto-Mill, pavement profiler, ground man; BULLDOZERS: Bulldozer operator, 20,000 lbs. or less or 100 horse or less; COMPRESSORS: Compressor Operator (any power), over 1,250 cu. ft. total capacity; COMPACTORS: Compactor Operator, including vibratory; Wagner Pactor Operator or similar type (without blade); CONCRETE: Combination mixer and Compressor Operator, gunite work; Concrete Batch Plant Quality Control Operator; Beltcrete Operator; Pumpcrete Operator (any type); Pavement Grinder and/or Grooving Machine Operator (riding type); Cement Pump Operator, Fuller-Kenyon and similar; Concrete Pump Operator; Grouting Machine Operator; Concrete mixer operator, single drum, under (5) bag capacity; Cast in place pipe laying machine; maginnis Internal Full slab vibrator operator; Concrete finishing machine operator, Clary, Johnson, Bidwell, Burgess Bridge deck or similar type; Curb Machine Operator, mechanical Berm, Curb and/or Curb and Gutter; Concrete Joint Machine Operator; Concrete Planer Operator; Tower Mobile Operator; Power Jumbo Operator setting slip forms in tunnels; Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Concrete Paving Machine Operator; Concrete Finishing Machine Operator; Concrete Spreader Operator; CRANE: Helicopter Hoist Operator; Hoist Operator, single drum; Elevator Operator; A-frame Truck Operator, Double drum; Boom Truck Operator; HYDRAULIC CRANE OPERATOR: Hydraulic Boom Truck, Pittman; DRILLING: Churm Drill

and Earth Boring Machine Operator; Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Fireman; FORKLIFT: Lull Hi-Lift Operator or similar type; Fork Lift, over 5 ton and/or robotic; HYDRAULIC HOES EXCAVATORS: Hydraulic Backhoe Operator, wheel type (Ford, John Deere, Case type); Hydraulic Backhoe Operator track type up to and including 20,000 lbs.; LOADERS: Loaders, rubber-tired type, less than 25,000 lbs; Elevating Grader Operator, Tractor Towed requiring Operator or Grader; Elevating loader operator, Athey and similar types; OILERS: Service Oiler (Greaser); PIPELINE-SEWER WATER: Hydra hammer or simialr types; Pavement Breaker Operator; PUMPS: Pump Operator, more than 5 (any size); Pot Rammer Operator; RAILROAD EQUIPMENT: Locomotive Operator, under 40 tons; Ballast Regulator Operator; Ballast Tamper Multi-Purpose Operator; Track Liner Operator; Tie Spacer Operator; Shuttle Car Operator; Locomotive Operator, 40 tons and over; MATERIAL HAULRS: Cat wagon DJB's Volvo similar types; Conveyored material hauler; SURFACING (BASE) MATERIAL: Rock Spreaders, self-propelled; Pulva-mixer or similar types; Chiip Spreading machine operator; Lime spreading operator, construction job siter; SWEEPERS: Sweeper operator (Wayne type) self-propelled construction job site; TRACTOR-RUBBER TIRED: Tractor operator,

rubber-tired, 50 hp flywheel and under; Trenching machine operator, maximum digging capacity 3 ft depth; TUNNEL: Dinkey

GROUP 6: ASPHALT: Plant Oiler; Plant Fireman; Pugmill Operator (any type); Truck mounted asphalt spreader, with screed; COMPRESSORS: Compressor Operator (any power), under 1,250 cu. ft. total capacity; CONCRETE: Plant Oiler, Assistant Conveyor Operator; Conveyor Operator; Mixer Box Operator (C.T.B., dry batch, etc.); Cement Hog Operator; Concrete Saw Operator; Concrete Curing Machine Operator (riding type); Wire Mat or Brooming Machine Operator; CRANE: Oiler; Fireman, all equipment; Truck Crane Oiler Driver; A-frame Truck Operator, single drum; Tugger or Coffin Type Hoist Operator; CRUSHER: Crusher Oiler; Crusher Feeder; CRUSHER: Crusher oiler; Crusher feeder; DRILLING: Drill Tender; Auger Oiler; FLOATING EQUIPMENT: Deckhand; Boatman; FORKLIFT: Self-propelled Scaffolding Operator, construction job site (exclduing working platform); Fork Lift or Lumber Stacker Operator, construction job site; Ross Carrier Operator, construction job site; GUARDRAIL EQUIPMENT: Oiler; Auger Oiler; Oiler, combination guardrail machines; Guardrail Punch Oiler; HEATING PLANT: Temporary Heating Plant Operator; LOADERS: Bobcat, skid steer (less than 1 cu yd.); Bucket Elevator Loader Operator, BarberGreene and similar types; OILERS: Oiler; Guardrail Punch Oiler; Truck Crane Oiler-Driver; Auger Oiler; Grade Oiler, required to check grade; Grade Checker; PIPELINE-SEWER WATER: Tar Pot Fireman; Tar Pot Fireman (power agitated); PUMPS: Pump Operator (any power); Hydrostatic Pump Operator; RAILROAD EQUIPMENT: Brakeman; Oiler; Switchman; Motorman; Ballast Jack Tamper Operator; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER, ETC. OPERATOR: Oiler, Grade Oiler (required to check grade); Grade Checker; Fireman; SWEEPER: Broom operator, self propelled, construction job site; SURFACING (BASE) MATERIAL: Roller Operator, grading of base rock (not asphalt); Tamping Machine operator, mechanical, self-propelled; Hydrographic



Seeder Machine Operator; TRENCHING MACHINE: Oiler; Grade Oiler;  
TUNNEL: Conveyor operator; Air filtration equipment operator

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\* ENGI0701E 06/01/2002

	Rates	Fringes
CLARK, COWLITZ, KLINKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHIAKUM COUNTIES		

DREDGING:

ZONE A		
LEVERMAN, HYDRAULIC	32.43	8.50
LEVERMAN, DIPPER, FLOATING CLAMSHELL	30.25	8.50
ASSISTANT ENGINEER	29.25	8.50
TENDERMAN	28.44	8.50
ASSISTANT MATE	26.58	8.50

ZONE B		
LEVERMAN, HYDRAULIC	34.43	8.50
LEVERMAN, DIPPER, FLOATING CLAMSHELL	32.25	8.50
ASSISTANT ENGINEER	31.25	8.50
TENDERMAN	30.44	8.50
ASSISTANT MATE	28.58	8.50

ZONE C		
LEVERMAN, HYDRAULIC	35.43	8.50
LEVERMAN, DIPPER, FLOATING CLAMSHELL	33.25	8.50
ASSISTANT ENGINEER	32.25	8.50
TENDERMAN	31.44	8.50
ASSISTANT MATE	29.58	8.50

ZONE DESCRIPTION FOR DREDGING:

ZONE A - All jobs or projects located within 30 road miles of  
Portland City Hall.

ZONE B - Over 30-50 road miles from Portland City Hall.

ZONE C - Over 50 road miles from Portland City Hall.

\*All jobs or projects shall be computed from the city hall by the  
shortest route to the geographical center of the project.

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IRON0014F 07/01/2001

	Rates	Fringes
ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND ORIELLE, SPOKANE, STEVENS, WALLA WALLA AND WHITMAN COUNTIES		

IRONWORKERS	24.52	11.35
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IRON0029I 07/01/2001

	Rates	Fringes
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CLARK, CLALLAM, CHELAN, COWLITZ, GRAYS HARBOR, ISLAND, JEFFERSON,  
KING, KITTITAS, KLICKITAT, KITSAP, LEWIS, MASON, PACIFIC, PIERCE,  
SKAGIT, SKAMANIA, SNOHOMISH, THURSTON, WAHKAIAKUM, WHATCOM AND  
YAKIMA COUNTIES

IRONWORKERS	25.82	11.35
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LABO0001D 06/01/2001

	Rates	Fringes
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CHELAN, DOUGLAS (WEST OF THE 120TH MERIDIAN), KITTITAS AND  
YAKIMA COUNTIES

LABORERS:

ZONE 1:

GROUP 1	14.46	5.80
GROUP 2	16.78	5.80
GROUP 3	18.50	5.80
GROUP 4	18.98	5.80
GROUP 5	19.34	5.80

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$ .70  
ZONE 3 - \$1.00

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE,  
AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective city  
hall  
ZONE 2 - More than 25 but less than 45 radius miles from the  
respective city hall  
ZONE 3 - More than 45 radius miles from the respective city hall

CALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS,  
MASON, PACIFIC (NORTH OF STRAIGHT LINE MADE BY EXTENDING THE  
NORTH BOUNDARY WAHKAIAKUM COUNTY WEST TO THE PACIFIC OCEAN),  
PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM  
COUNTIES

LABORERS:

ZONE 1:

GROUP 1	16.92	5.80
GROUP 2	19.24	5.80
GROUP 3	23.92	5.80
GROUP 4	24.40	5.80
GROUP 5	24.76	5.80

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$ .70  
ZONE 3 - \$1.00

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT,  
SEATTLE, KENT, TACOMA, OLYMPIA,  
CENTRALIA, ABERDEEN, SHELTON, PT.  
TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective city hall  
ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall  
ZONE 3 - More than 45 radius miles from the respective city hall

#### LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement

Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Mortarman and Hodcarrier; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20'); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Powderman; Re-Timberman; Hazardous Waste Worker (Level A).

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LABO0238E 06/01/2002

	Rates	Fringes
ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN,		

OKANOGAN, PEND OREILLE, STEVENS, SPOKANE, WALLA WALLA AND  
WHITMAN COUNTIES

LABORERS:

ZONE 1:

GROUP 1	17.66	5.50
GROUP 2	19.76	5.50
GROUP 3	20.03	5.50
GROUP 4	20.30	5.50
GROUP 5	20.58	5.50
GROUP 6	21.95	5.50

Zone Differential (Add to Zone 1  
rate): \$2.00

BASE POINTS: Spokane, Moses Lake, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: 45 radius miles and over from the main post office.

LABORERS CLASSIFICATIONS

GROUP 1: Flagman; Landscape Laborer; Scaleman; Traffic Control  
Maintenance Laborer (to include erection and maintenance of  
barricades, signs and relief of flagperson); Window  
Washer/Cleaner (detail cleanup, such as, but not limited to  
cleaning floors, ceilings, walls, windows, etc. prior to final  
acceptance by the owner)

GROUP 2: Asbestos Abatement Worker; Brush Hog Feeder; Carpenter  
Tender; Cement Handler; Clean-up Laborer; Concrete Crewman (to  
include stripping of forms, hand operating jacks on slip form  
construction, application of concrete curing compounds, pumpcrete  
machine, signaling, handling the nozzle of squeezecrete or similar  
machine, 6 inches and smaller); Confined Space Attendant; Concrete  
Signalman; Crusher Feeder; Demolition (to include clean-up,  
burning, loading, wrecking and salvage of all material); Dumpman;  
Fence Erector; Firewatch; Form Cleaning Machine Feeder, Stacker;  
General Laborer; Grout Machine Header Tender; Guard Rail (to  
include guard rails, guide and reference posts, sign posts, and  
right-of-way markers); Hazardous Waste Worker, Level D (no  
respirator is used and skin protection is minimal); Miner, Class  
"A" (to include all bull gang, concrete crewman, dumpman and  
pumpcrete crewman, including distributing pipe, assembly &  
dismantle, and nipper); Nipper; Riprap Man; Sandblast  
Tailhoseman; Scaffold Erector (wood or steel); Stake Jumper;  
Structural Mover (to include separating foundation, preparation,  
cribbing, shoring, jacking and unloading of structures);  
Tailhoseman (water nozzle); Timber Buckler and Faller (by hand);  
Track Laborer (RR); Truck Loader; Well-Point Man; All Other Work  
Classifications Not Specially Listed Shall Be Classified As  
General Laborer

GROUP 3: Asphalt Raker; Asphalt Roller, walking; Cement  
Finisher Tender; Concrete Saw, walking; Demolition Torch; Dope  
Pot Firemen, non-mechanical; Driller Tender (when required to  
move and position machine); Form Setter, Paving; Grade Checker

using level; Hazardous Waste Worker, Level C (uses a chemical "splash suit" and air purifying respirator); Jackhammer Operator; Miner, Class "B" (to include brakeman, finisher, vibrator, form setter); Nozzleman (to include squeeze and flo-crete nozzle); Nozzleman, water, air or steam; Pavement Breaker (under 90 lbs.); Pipelayer, corrugated metal culvert; Pipelayer, multi-plate; Pot Tender; Power Buggy Operator; Power Tool Operator, gas, electric, pneumatic; Railroad Equipment, power driven, except dual mobile power spiker or puller; Railroad Power Spiker or Puller, dual mobile; Rodder and Spreader; Tamper (to include operation of Barco, Essex and similar tampers); Trencher, Shawnee; Tugger Operator; Wagon Drills; Water Pipe Liner; Wheelbarrow (power driven)

GROUP 4: Air and Hydraulic Track Drill; Brush Machine (to include horizontal construction joint cleanup brush machine, power propelled); Caisson Worker, free air; Chain Saw Operator and Faller; Concrete Stack (to include laborers when laborers working on free standing concrete stacks for smoke or

fume control above 40 feet high); Guniting (to include operation of machine and nozzle); Hazardous Waste Worker, Level B (uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Laser Beam Operator (to include grade checker and elevation control); Miner, Class C (to include miner, nozzleman for concrete, laser beam operator and rigger on tunnels); Monitor Operator (air track or similar mounting); Mortar Mixer; Nozzleman (to include jet blasting nozzleman, over 1,200 lbs., jet blast machine power propelled, sandblast nozzle); Pavement Breaker (90 lbs. and over); Pipelayer (to include working topman, caulker, collarman, jointer, mortarman, rigger, jacker, shorer, valve or meter installer); Pipewrapper; Plasterer Tender; Vibrators (all)

GROUP 5 - Drills with Dual Masts; Hazardous Waste Worker, Level A (utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line); Miner Class "D", (to include raise and shaft miner, laser beam operator on riases and shafts)

GROUP 6 - Powderman

LABO0238G 06/01/2002

	Rates	Fringes
COUNTIES EAST OF THE 120TH MERIDIAN: ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND OREILLE, STEVENS, SPOKANE, WALLA WALLA, WHITMAN		

HOD CARRIERS	21.55	5.50
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LABO0335A 06/01/2001

	Rates	Fringes
CLARK, COWLITZ, KICKITAT, PACIFIC (SOUTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHIAKUM COUNTY WEST TO THE PACIFIC OCEAN), SKAMANIA AND WAHIAKUM COUNTIES		

ZONE 1:

LABORERS:

GROUP 1	22.27	6.75
GROUP 2	22.77	6.75
GROUP 3	23.15	6.75
GROUP 4	23.47	6.75
GROUP 5	20.12	6.75
GROUP 6	18.06	6.75
GROUP 7	15.36	6.75

Zone Differential (Add to Zone 1 rates):

Zone 2 \$ 0.65  
Zone 3 - 1.15  
Zone 4 - 1.70  
Zone 5 - 2.75

BASE POINTS: GOLDENDALE, LONGVIEW, AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city all.

ZONE 2: More than 30 miles but less than 40 miles from the  
respective city hall.

ZONE 3: More than 40 miles but less than 50 miles from the  
respective city hall.

ZONE 4: More than 50 miles but less than 80 miles from the  
respective city hall.

ZONE 5: More than 80 miles from the respective city hall.

LABORERS CLASSIFICATIONS

GROUP 1: Asphalt Plant Laborers; Asphalt Spreaders; Batch Weighman; Broomers; Brush Burners and Cutters; Car and Truck Loaders; Carpenter Tender; Change-House Man or Dry Shack Man; Choker Setter; Clean-up Laborers; Curing, Concrete; Demolition, Wrecking and Moving Laborers; Dumpers, road oiling crew; Dumpmen (for grading crew); Elevator Feeders; Guard Rail, Median Rail Reference Post, Guide Post, Right of Way Marker; Fine Graders; Fire Watch; Form Strippers (not swinging stages); General Laborers; Hazardous Waste Worker; Leverman or Aggregate Spreader (Flaherty and similar types); Loading Spotters; Material Yard Man (including electrical); Pittsburgh Chipper Operator or Similar Types; Railroad Track Laborers; Ribbon Setters (including steel forms); Rip Rap Man (hand placed); Road Pump Tender; Sewer Labor; Signalman; Skipman; Slopers; Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring; Timber Faller and Bucker (hand labor); Toolroom Man (at job site); Tunnel Bullgang (above ground); Weight-Man-Crusher (aggregate when used)

GROUP 2: Applicator (including pot power tender for same), applying protective material by hand or nozzle on utility lines or storage tanks on project; Brush Cutters (power saw); Burners; Choker Splicer; Clary Power Spreader and similar types; Clean-up Nozzleman-Green Cutter (concrete, rock, etc.); Concrete Power Buggyman; Concrete Laborer; Crusher Feeder; Demolition and Wrecking Charred Materials; Guniting Nozzleman Tender; Guniting or Sand Blasting Pot Tender; Handlers or Mixers of all Materials of an irritating nature (including cement and lime); Tool Operators

(includes but not limited to: Dry Pack Machine; Jackhammer; Chipping Guns; Paving Breakers); Pipe Doping and Wrapping; Post Hole Digger, air, gas or electric; Vibrating Screed; Tampers; Sand Blasting (Wet); Stake-Setter; Tunnel-Muckers, Brakemen, Concrete Crew, Bullgang (underground)

GROUP 3: Asbestos Removal; Bit Grinder; Drill Doctor; Drill Operators, air tracks, cat drills, wagon drills, rubber-mounted drills, and other similar types including at crusher plants; Gunite Nozzelman; High Scalars, Strippers and Drillers (covers work in swinging stages, chairs or belts, under extreme conditions unusual to normal drilling, blasting, barring-down, or sloping and stripping); Manhole Builder; Powdermen; Concrete Saw Operator; Powdermen; Power Saw Operators (Bucking and Falling); Pumpcrete Nozzlemen; Sand Blasting (Dry); Sewer Timberman; Track Liners, Anchor Machines, Ballast Regulators, Multiple Tampers, Power Jacks, Tugger Operator; Tunnel-Chuck Tenders, Nippers and Timbermen; Vibrator; Water Blaster

GROUP 4: Asphalt Raker; Concrete Saw Operator (walls); Concrete Nozzelman; Grade Checker; Pipelayer; Laser Beam (pipelaying)-applicable when employee assigned to move, set up, align; Laser Beam; Tunnel Miners; Motorman-Dinky Locomotive-Tunnel; Powderman-Tunnel; Shield Operator-Tunnel

GROUP 5: Traffic Flaggers

GROUP 6: Fence Builders

GROUP 7: Landscaping or Planting Laborers

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LABO0335L 06/01/2002

	Rates	Fringes
CLARK, COWLITZ, KLUCKITAT, PACIFIC (SOUTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHIAKUM COUNTY WEST TO THE PACIFIC OCEAN), SKAMANIA AND WAHIAKUM COUNTIES		

HOD CARRIERS	25.04	6.15
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PAIN0005B 06/01/2002

	Rates	Fringes
STATEWIDE EXCEPT CLARK, COWLITZ, KLUCKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHIAKUM COUNTIES		

STRIPERS	21.25	6.40
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PAIN0005D 03/01/2000

	Rates	Fringes
CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES		

PAINTERS	22.94	3.73
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\* PAIN0005G 07/01/2002

	Rates	Fringes
ADAMS, ASOTIN; BENTON AND FRANKLIN (EXCEPT HANFORD SITE); CHELAN, COLUMBIA, DOUGLAS, FERRY, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA COUNTIES		

PAINTERS\*:

Brush, Roller, Striping, Steam-cleaning and Spray Application of Cold Tar Products, Epoxies, Polyure thanes, Acids, Radiation Resistant Material, Water and Sandblasting, Bridges, Towers, Tanks, Stacks, Steeples	19.42      20.42	4.42      4.42
TV Radio, Electrical Transmission Towers	21.17	4.42
Lead Abatement, Asbestos Abatement	20.42	4.42

\*\$.70 shall be paid over and above the basic wage rates listed  
for work on swing stages and high work of over 30 feet.  
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PAIN0055C 11/01/1999

	Rates	Fringes
CLARK, COWLITZ, KCLICKITAT, PACIFIC, SKAMANIA, AND WAHAKIAKUM COUNTIES		

PAINTERS:

Brush & Roller	17.10	3.48
Spray and Sandblasting	17.70	3.48
High work - All work 60 ft. or higher	17.60	3.48

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PAIN0055L 06/01/2002

	Rates	Fringes
CLARK, COWLITZ, KCLICKITAT, SKAMANIA and WAHAKIAKUM COUNTIES		

PAINTERS:

HIGHWAY AND PARKING LOT STRIPER	23.36	5.75
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PLAS0072E 06/01/2001

	Rates	Fringes
ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, AND YAKIMA COUNTIES		

ZONE 1:



CEMENT MASONS 22.18 5.63

Zone Differential (Add to Zone 1  
rate): Zone 2 - \$2.00

BASE POINTS: Spokane, Pasco, Moses Lake, Lewiston

Zone 1: 0 - 45 radius miles from the main post office  
Zone 2: Over 45 radius miles from the main post office

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PLAS0528A 06/01/2002

	Rates	Fringes
CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (NORTH), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON, AND WHATCOM COUNTIES		

CEMENT MASON	27.18	9.84
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COMPOSITION, COLOR MASTIC, TROWEL MACHINE, GRINDER, POWER TOOLS, GUNNITE NOZZLE	27.43	9.84
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PLAS0555B 06/01/2002

	Rates	Fringes
CLARK, COWLITZ, KLUCKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHIAKUM COUNTIES		

ZONE 1:

CEMENT MASONS	24.24	9.70
COMPOSITION WORKERS AND POWER MACHINERY OPERATORS	24.68	9.70
CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD	24.68	9.70
CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD	25.13	9.70

Zone Differential (Add To Zone 1 Rates):

Zone 2 - \$0.65  
Zone 3 - 1.15  
Zone 4 - 1.70  
Zone 5 - 2.75

BASE POINTS: BEND, CORVALLIS, EUGENE, LONGVIEW, MEDFORD,  
PORTLAND, SALEM, THE DALLS, VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall  
ZONE 2: More than 30 miles but less than 40 miles from the  
respective city hall.  
ZONE 3: More than 40 miles but less than 50 miles from the  
respective city hall.  
ZONE 4: More than 50 miles but less than 80 miles from the  
respective city hall.

ZONE 5: More than 80 miles from the respective city hall

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PLUM0032B 01/01/2002  
Rates Fringes  
CLALLAM, KING AND JEFFERSON COUNTIES  
PLUMBERS AND PIPEFITTERS 32.08 11.53  
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PLUM0032D 01/01/2002  
Rates Fringes  
CHELAN, KITTITAS (NORTHERN TIP), DOUGLAS (NORTH), AND OKANOGAN  
(NORTH) COUNTIES  
PLUMBERS AND PIPEFITTERS 25.09 9.17  
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PLUM0044C 06/01/2001  
Rates Fringes  
ADAMS (NORTHERN PART), ASOTIN (CLARKSTON ONLY), FERRY (EASTERN  
PART), LINCOLN (EASTERN PART), PEND ORIELLE, STEVENS, SPOKANE,  
AND WHITMAN COUNTIES  
PLUMBERS AND PIPEFITTERS 26.21 9.14  
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PLUM0082A 06/01/2001  
Rates Fringes  
CLARK (NORTHERN TIP INCLUDING WOODLAND), COWLITZ, GRAYS HARBOR,  
LEWIS, MASON (EXCLUDING NE SECTION), PACIFIC, PIERCE  
SKAMANIA, THURSTON AND WAHKIAKUM COUNTIES  
PLUMBERS AND PIPEFITTERS 24.57 14.72  
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PLUM0265C 06/01/2001  
Rates Fringes  
ISLAND, SKAGIT, SNOHOMISH, SAN JUAN AND WHATCOM COUNTIES  
PLUMBERS AND PIPEFITTERS 28.37 10.24  
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PLUM0290K 04/01/2002  
Rates Fringes  
CLARK (ALL EXCLUDING NORTHERN TIP INCLUDING CITY OF WOODLAND)  
PLUMBERS AND PIPEFITTERS 31.31 12.12  
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PLUM0598E 06/01/2001  
Rates Fringes  
ADAMS (SOUTHERN PART), ASOTIN (EXCLUDING THE CITY OF CLARKSTON),  
BENTON, COLUMBIA, DOUGLAS (EASTERN HALF), FERRY (WESTERN PART),  
FRANKLIN, GARFIELD, GRANT, KITTITAS (ALL BUT NORTHERN TIP),  
KLICKITAT, LINCOLN (WESTERN PART), OKANOGAN (EASTERN), WALLA  
WALLA AND YAKIMA COUNTIES

PLUMBERS	28.85	11.55
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PLUM0631A 06/01/2001		
	Rates	Fringes
MASON (NE SECTION), AND KITSAP COUNTIES		

PLUMBERS/PIPEFITTERS:  
All new construction, additions,  
and remodeling of commercial  
building projects such as:  
cocktail lounges and taverns,  
professional buildings, medical  
clinics, retail stores, hotels  
and motels, restaurants and fast

food types, gasoline service stations, and car washes where the plumbing and mechanical cost of the project is less than \$100,000	14.55	7.98
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All other work where the plumbing and mechanical cost of the project is \$100,000 and over	24.65	13.41
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TEAM0037C 06/01/2001		
	Rates	Fringes
CLARK, COWLITZ, KLUCKITAT, PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), SKAMANIA, AND WAHIAKUM COUNTIES		

# TRUCK DRIVERS

ZONE 1:		
GROUP 1	23.40	8.30
GROUP 2	23.52	8.30
GROUP 3	23.65	8.30
GROUP 4	23.91	8.30
GROUP 5	24.13	8.30
GROUP 6	24.29	8.30
GROUP 7	24.49	8.30

Zone Differential (Add to Zone 1 Rates):  
Zone 2 - \$0.65  
Zone 3 - 1.15  
Zone 4 - 1.70  
Zone 5 - 2.75

BASE POINTS: ASTORIA, THE DALLES, LONGVIEW AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall.  
ZONE 2: More than 30 miles but less than 40 miles from the  
respective city hall.  
ZONE 3: More than 40 miles but less than 50 miles from the

respective city hall.  
ZONE 4: More than 50 miles but less than 80 miles from the  
respective city hall.  
ZONE 5: More than 80 miles from the respective city hall.

#### TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: A Frame or Hydra lift truck w/load bearing surface;  
Articulated dump truck; Battery Rebuilders; Bus or Manhaul  
Driver; Concrete Buggies (power operated); Concrete pump truck;  
Dump Trucks, side, end and bottom dumps, including Semi Trucks  
and Trains or combinations there of: up to and including 10 cu.  
yds.; Lift Jitneys, Fork Lifts (all sizes in loading, unloading  
and transporting material on job site); Loader and/or Leverman on  
Concrete Dry Batch Plant (manually operated); Pilot Car;  
Pickup truck; Solo Flat Bed and misc. Body Trucks, 0-10 tons;  
Truck Tender; Truck Mechanic Tender; Water Wagons (rated

capacity) up to 3,000 gallons; Transit Mix and Wet or Dry Mix - 5  
cu. yds. and under; Lubrication Man, Fuel Truck Driver, Tireman,  
Wash Rack, Steam Cleaner or combinations; Team Driver; Slurry  
Truck Driver or Leverman; Tireman

GROUP 2: Boom truck/hydra lift or retracting crane; Challenger;  
Dumpsters or similar equipment all sizes; Dump Trucks/articulated  
dumps 6 cu to 10 cu.; Flaherty Spreader Driver or Leverman;  
Lowbed Equipment, Flat Bed Semi-trailer or doubles transporting  
equipment or wet or dry materials; Lumber Carrier,  
Driver-Straddle Carrier (used in loading, unloading and  
transporting of materials on job site); Oil Distributor Driver or  
Leverman; Transit mix and wet or dry mix trucks: over 5 cu. yds.  
and including 7 cu. yds.; Vacuum trucks; Water truck/Wagons  
(rated capacity) over 3,000 to 5,000 gallons

GROUP 3: Ammonia nitrate distributor driver; Dump trucks, side,  
end and bottom dumps, including Semi Trucks and Trains or  
combinations thereof: over 10 cu. yds. and including 30 cu. yds.  
includes Articulated dump trucks; Selfpropelled street sweeper;  
Transit mix and wet or dry mix truck: over 7 cu yds. and  
including 11 cu yds.; Truck Mechanic Welder Body Repairman;  
Utility and cleanup truck; Water Wagons (rated capacity) over  
5,000 to 10,000 gallons

GROUP 4: Asphalt burner; Dump Trucks, side, end and bottom  
cumps, including Semi-Trucks and Trains or combinations thereof:  
over 30 cu. yds. and including 50 cu. yds. includes articulated  
dump trucks; Fire guard; Transit Mix and Wet or Dry Mix Trucks,  
over 11 cu. yds. and including 15 cu. yds.; Water Wagon (rated  
capacity) over 10,000 gallons to 15,000 gallons

GROUP 5: Dump Trucks, side, end and bottom dumps, including  
Semi Trucks and Trains or combinations thereof: over 50 cu. yds.  
and including 60 cu. yds. includes articulated dump trucks

GROUP 6: Bulk cement spreader w/o auger; Dry prebatch concrete  
mix trucks; Dump trucks, side, end and bottom dumps, including  
Semi Trucks and Trains of combinations thereof: over 60 cu. yds.

and including 80 cu. yds., and includes articulated dump trucks;  
Skid truck

GROUP 7: Dump Trucks, side, end and bottom dumps, including  
Semi Trucks and Trains or combinations thereof: over 80 cu. yds.  
and including 100 cu. yds., includes articulated dump trucks;  
Industrial lift truck (mechanical tailgate)

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TEAM0174A 06/01/2002

	Rates	Fringes
CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES		

TRUCK DRIVERS;

GROUP 1:	25.79	9.68
GROUP 2:	25.21	9.68
GROUP 3:	22.81	9.68
GROUP 4:	18.56	9.68
GROUP 5:	25.55	9.68

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - "A-frame or Hydralift" trucks and Boom trucks or  
similar equipment when "A" frame or "Hydralift" and Boom truck or  
similar equipment is used; Buggymobile; Bulk Cement Tanker;  
Dumpsters and similar equipment, Tournorockers, Tournowagon,  
Tournotrailer, Cat DW series, Terra Cobra, Le Tourneau,  
Westinghouse, Athye Wagon, Euclid Two and Four-Wheeled power  
tractor with trailer and similar top-loaded equipment  
transporting material: Dump Trucks, side, end and bottom dump,  
including semi-trucks and trains or combinations thereof with 16  
yards to 30 yards capacity: Over 30 yards \$.15 per hour  
additional for each 10 yard increment; Explosive Truck (field  
mix) and similar equipment; Hyster Operators (handling bulk loose  
aggregates); Lowbed and Heavy Duty Trailer; Road Oil Distributor  
Driver; Spreader, Flaherty Transit mix used exclusively in heavy  
construction; Water Wagon and Tank Truck-3,000 gallons and  
over capacity

GROUP 2 - Bulllifts, or similar equipment used in loading or  
unloading trucks, transporting materials on job site; Dumpsters,  
and similar equipment, Tournorockers, Tournowagon, Turnotrailer,  
Cat. D.W. Series, Terra Cobra, Le Tourneau, Westinghouse, Athye  
wagon, Euclid two and four-wheeled power tractor with trailer and  
similar top-loaded equipment transporting material: Dump trucks,  
side, end and bottom dump, including semi-trucks and trains or  
combinations thereof with less than 16 yards capacity; Flatbed  
(Dual Rear Axle); Grease Truck, Fuel Truck, Greaser, Battery  
Service Man and/or Tire Service Man; Leverman and loader at  
bunkers and batch plants; Oil tank transport; Scissor truck;  
Slurry Truck; Sno-Go and similar equipment; Swampers; Straddler  
Carrier (Ross, Hyster) and similar equipment; Team Driver;  
Tractor (small, rubber-tired)(when used within Teamster

jurisdiction); Vacuum truck; Water Wagon and Tank trucks-less than 3,000 gallons capacity; Winch Truck; Wrecker, Tow truck and similar equipment

GROUP 3 - Flatbed (single rear axle); Pickup Sweeper; Pickup Truck. (Adjust Group 3 upward by \$2.00 per hour for onsite work only)

GROUP 4 - Escort or Pilot Car

GROUP 5 - Mechanic

#### HAZMAT PROJECTS

Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C: +\$.25 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B: +\$.50 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit."

LEVEL A: +\$.75 per hour - This level utilizes a fully-encapsulated suit with a self-contained breathing apparatus or a supplied air line.

#### ZONE DIFFERENTIALS

Zone pay will be calculated from the city center of the following listed cities:

BELLINGHAM	CENTRALIA	RAYMOND	OLYMPIA
EVERETT	SHELTON	ANACORTES	BELLEVUE
SEATTLE	PORT ANGELES	MT. VERNON	KENT
TACOMA	PORT TOWNSEND	ABERDEEN	BREMERTON

TRAVEL - Zone A - 0 - 25 miles - Free Zone  
Zone B - 25 - 45 miles - \$ .70 per hour.  
Zone C - Over 45 miles - \$1.00 per hour.

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TEAM0760C 06/01/2002

	Rates	Fringes
ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, AND WHITMAN COUNTIES		

#### TRUCK DRIVERS

(ANYONE WORKING ON HAZMAT JOBS SEE FOOTNOTE A BELOW)

ZONE 1: (INCLUDES ALL OF YAKIMA COUNTY)

GROUP 1	17.73	8.50
GROUP 2	20.00	8.50
GROUP 3	20.50	8.50
GROUP 4	20.83	8.50
GROUP 5	20.94	8.50

GROUP 6	21.11	8.50
GROUP 7	21.64	8.50
GROUP 8	21.97	8.50

Zone Differential (Add to Zone 1  
rate: Zone 2 - \$2.00)

BASE POINTS: Spokane, Moses Lake, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: 45 radius miles and over from the main post office

#### TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Escort Driver or Pilot Car; Employee Haul; Power Boat

Hauling Employees or Material

GROUP 2: Fish Truck; Flat Bed Truck; Fork Lift (3000 lbs. and under); Leverperson (loading trucks at bunkers); Trailer Mounted Hydro Seeder and Mulcher; Seeder & Mulcher; Stationary Fuel Operator; Tractor (small, rubber-tired, pulling trailer or similar equipment)

GROUP 3: Auto Crane (2000 lbs. capacity); Buggy Mobile & Similar; Bulk Cement Tanks & Spreader; Dumptor (6 yds. & under); Flat Bed Truck with Hydraulic System; Fork Lift (3001-16,000 lbs.); Fuel Truck Driver, Steamcleaner & Washer; Power Operated Sweeper; Rubber-tired Tunnel Jumbo; Scissors Truck; Slurry Truck Driver; Straddle Carrier (Ross, Hyster, & similar); Tireperson; Transit Mixers & Truck Hauling Concrete (3 yd. to & including 6 yds.); Trucks, side, end, bottom & articulated end dump (3 yards to and including 6 yds.); Warehouseperson (to include shipping & receiving); Wrecker & Tow Truck

GROUP 4: A-Frame; Burner, Cutter, & Welder; Service Greaser; Trucks, side, end, bottom & articulated end dump (over 6 yards to and including 12 yds.); Truck Mounted Hydro Seeder; Warehouseperson; Water Tank truck (0-8,000 gallons)

GROUP 5: Dumptor (over 6 yds.); Lowboy (50 tons & under); Self-loading Roll Off; Semi-Truck & Trailer; Tractor with Steer Trailer; Transit Mixers and Trucks Hauling Concrete (over 6 yds. to and including 10 yds.); Trucks, side, end, bottom and end dump (over 12 yds. to & including 20 yds.); Truck-Mounted Crane (with load bearing surface either mounted or pulled, up to 14 ton); Vacuum Truck (super sucker, guzzler, etc.)

GROUP 6: Flaherty Spreader Box Driver; Flowboys; Fork Lift (over 16,000 lbs.); Dumps (Semi-end); Mechanic (Field); Semi-end Dumps; Transfer Truck & Trailer; Transit Mixers & Trucks Hauling Concrete (over 10 yds. to & including 20 yds.); Trucks, side, end, bottom and articulated end dump (over 20 yds. to & including 40 yds.); Truck and Pup; Tournarocker, DW's & similar with 2 or more 4 wheel-power tractor with trailer, gallonage or yardage scale, whichever is greater Water Tank Truck (8,001-14,000 gallons)

GROUP 7: Oil Distributor Driver; Stringer Truck (cable operated)

trailer); Transit Mixers & Trucks Hauling Concrete (over 20 yds.); Truck, side, end, bottom end dump (over 40 yds. to & including 100 yds.); Truck Mounted Crane (with load bearing surface either mounted or pulled (16 through 25 tons);

GROUP 8: Prime Movers and Stinger Truck; Trucks, side, end, bottom and articulated end dump (over 100 yds.); Helicopter Pilot Hauling Employees or Materials

Footnote A - Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C-D: - \$.50 PER HOUR (This is the lowest level of protection. This level may use an air purifying

respirator or additional protective clothing.

LEVEL A-B: - \$1.00 PER HOUR (Uses supplied air in conjunction with a chemical splash suit or fully encapsulated suit with a self-contained breathing apparatus.

NOTE: Trucks Pulling Equipment Trailers: shall receive \$.15/hour over applicable truck rate

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(ii)).

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In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted



because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations

Wage and Hour Division  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.  
END OF GENERAL DECISION

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GENERAL DECISION WA020002 07/12/2002 WA2

Date: July 12, 2002

General Decision Number WA020002

Superseded General Decision No. WA010002

State: Washington

Construction Type:  
BUILDING

County(ies):

CHELAN	KITSAP	PIERCE
CLALLAM	KITTITAS	SNOHOMISH
GRAYS HARBOR	LEWIS	THURSTON
JEFFERSON	MASON	
KING	PACIFIC	

BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories)

Modification Number	Publication Date
0	03/01/2002
1	03/08/2002
2	03/22/2002
3	03/29/2002
4	04/05/2002
5	04/19/2002
6	05/03/2002
7	05/10/2002
8	06/07/2002
9	06/21/2002
10	07/05/2002
11	07/12/2002

COUNTY(ies):

CHELAN	KITSAP	PIERCE
CLALLAM	KITTITAS	SNOHOMISH
GRAYS HARBOR	LEWIS	THURSTON
JEFFERSON	MASON	
KING	PACIFIC	

ASBE0007A 01/01/2002

Rates

Fringes

ASBESTOS WORKERS/INSULATORS:

(Includes application of all insulating materials, protective coverings, coating and finishes to all types of mechanical systems)

29.07

6.79

BOIL0242B 04/01/2002		
	Rates	Fringes
CHELAN AND KITTITAS COUNTIES		
BOILERMAKERS	26.27	11.95
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BOIL0502B 01/01/2002		
	Rates	Fringes
CLALLAM, GRAYS HARBOR, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC, PIERCE, SNOHOMISH AND THURSTON COUNTIES		
BOILERMAKERS	26.27	12.20
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BRWA0001A 06/01/2002		
	Rates	Fringes
CLALLAM, GRAYS HARBOR, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (northern part), PIERCE, SNOHOMISH AND THURSTON COUNTIES		
BRICKLAYERS	29.13	7.74
-----		
BRWA0001F 06/01/2002		
	Rates	Fringes
PACIFIC COUNTY (SOUTHERN PART)		
BRICKLAYERS	26.62	10.10
MARBLE MASONS	27.62	10.10
-----		
BRWA0001G 05/01/2002		
	Rates	Fringes
PACIFIC (SOUTHERN PORTION) COUNTY		
TILE SETTER AND TERRAZZO WORKERS	23.90	8.23
TILE AND TERRAZZO FINISHERS	17.99	6.27
-----		
BRWA0001H 06/01/2002		
	Rates	Fringes
CLALLAM, GRAYS HARBOR, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (NORTHERN HALF), PIERCE, THURSTON AND SNOHOMISH COUNTIES		
TILE AND TERRAZZO WORKERS	26.55	7.68
TILE AND TERRAZZO FINISHERS	20.83	7.23
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BRWA0003A 06/01/2002		
	Rates	Fringes
CHELAN AND KITTITAS COUNTIES		
BRICKLAYERS	23.56	8.81
-----		
BRWA0003E 07/01/2001		

	Rates	Fringes
CLELAN AND KITTITAS		
TILE AND TERRAZZO FINISHERS	14.70	6.33

BRWA0003F 07/01/2001

	Rates	Fringes
CLELAN AND KITTITAS		
TERRAZZO WORKERS & TILE LAYER	18.50	6.33

CARP0770E 06/01/2002

WESTERN WASHINGTON: CLALLAM, GRAYS HARBOR, JEFFERSON, KING,  
KITSAP, LEWIS, MASON, PACIFIC (NORTH), PIERCE, SNOHOMISH AND  
THURSTON COUNTIES

	Rates	Fringes
CARPENTERS AND DRYWALL APPLICATORS	27.95	8.05
CARPENTERS ON CREOSOTE MATERIAL	28.05	8.05
INSULATION APPLICATORS	25.50	8.05
SAWFILERS, STATIONARY POWER SAW OPERATORS, FLOOR FINISHER, FLOOR LAYER, SHINGLER, FLOOR SANDER OPERATORS OF OTHER STATIONARY WOOD WORKING TOOLS	28.08	8.05
MILLWRIGHT AND MACHINE ERECTORS	28.95	8.05
ACOUSTICAL WORKERS	28.11	8.05
PILEDRIIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED MATERIAL, ALL PILING	28.15	8.05
PILDRIVER, BRIDGE DOCK &  WHARF CARPENTERS	27.95	8.05
DIVERS	68.97	8.05
DIVERS TENDER	30.68	8.05

(HOURLY ZONE PAY APPLICABLE TO ALL CLASSIFICATIONS EXCEPT  
MILLWRIGHT AND PILEDRIIVER)

Hourly Zone Pay shall be paid on jobs located outside  
of the free zone computed from the city center of the  
following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

	Zone Pay	
0 -25	radius miles	Free

25-35	radius miles	\$1.00/hour
35-45	radius miles	\$1.15/hour
45-55	radius miles	\$1.35/hour
Over 55	radius miles	\$1.55/hour

(HOURLY ZONE PAY - MILLWRIGHTS AND PILEDRIVERS ONLY)

Hour Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay		
0 -25	radius miles	Free
25-45	radius miles	\$ .70/hour
Over 45	radius miles	\$1.50/hour

Millwrights and Piledrivers who reside in Aberdeen, Bellingham, Port Angeles, Mount Vernon, Olympia, Wenatchee, or Yakima Local Union jurisdiction areas, working on jobs in their respective area, shall have their Zone Pay measured from their respective city center

CENTRAL WASHINGTON: CHELAN AND KITTITAS COUNTIES

CARPENTERS AND DRYWALL APPLICATORS	20.72	7.82
CARPENTERS ON CREOSOTED MATERIALS	20.82	7.82
INSULATION APPLICATORS	20.72	7.82
SAWFILER, STATIONARY POWER SAW OPERATORS, FLOOR FINISHER, FLOOR LAYER, SHINGLERS, FLOOR SANDER OPERATOR AND OPERATORS OF OTHER STATIONARY WOOD WORKING TOOLS	20.85	7.82
MILLWRIGHTS AND MACHINE ERECTORS	28.95	7.82
ACCOUSTICAL WORKERS	20.98	7.82
PILDRIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING, OR CREOSOTE TREATED MATERIAL, ALL PILING	28.15	7.82
PILEDRIVER, BRIDGE DOCK & WHARF CARPENTERS	27.95	7.82
DIVERS	68.97	8.05
DIVERS TENDER	30.68	8.05

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CARP9003A 12/01/2001

	Rates	Fringes
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PACIFIC COUNTY (South of a straight line made by extending the north boundary line of Wahkiakum County west to Willapa Bay to the Pacific Ocean, and thence north through the natural waterway to the Pacific Ocean (this will include the entire peninsula west of Willapa Bay)

SEE ZONE DESCRIPTION FOR CITIES BASE POINTS

ZONE 1:

CARPENTERS	26.83	8.29
DRYWALL, ACOUSTICAL & LATHERS	26.83	8.29
FLOOR LAYERS & FLOOR FINISHERS (the laying of all hardwood floors nailed and mastic set, parquet and wood-type tiles, and block floors, the sanding and finishing of floors, the prepara- tion of old and new floors when the materials mentioned above are to be installed; INSULATORS (fiberglass and similar irritating material)	26.98	8.29
MILLWRIGHTS	27.33	8.29
PILEDRIVERS	27.33	8.29
DIVERS	63.75	8.29
DIVERS TENDERS	29.33	8.29

Zone Differential (Add to Zone 1 rates):

Zone 2 - \$0.85  
Zone 3 - 1.25  
Zone 4 - 1.70  
Zone 5 - 2.00  
Zone 6 - 3.00

BASEPOINTS: GOLDENDALE, LONGVIEW, AND VANCOUVER

- ZONE 1: Projects located within 30 miles of the respective city hall of the above mentioned cities
- ZONE 2: Projects located more than 30 miles and less than 40 miles of the respective city of the above mentioned cities
- ZONE 3: Projects located more than 40 miles and less than 50 miles of the respective city of the above mentioned cities
- ZONE 4: Projects located more than 50 miles and less than 60 miles of the respective city of the above mentioned cities.
- ZONE 5: Projects located more than 60 miles and less than 70 miles of the respective city of the above mentioned cities
- ZONE 6: Projects located more than 70 miles of the respected city of the above mentioned cities

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ELEC0046B 06/03/2002

	Rates	Fringes
CALLAM, JEFFERSON, KING AND KITSAP COUNTIES		
ELECTRICIANS	33.50	3%+9.57
CABLE SPLICERS	36.85	3%+9.57

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ELEC0046C 06/01/2001

	Rates	Fringes
CALLAM, JEFFERSON, KING, KITSAP COUNTIES		

SOUND AND COMMUNICATION  
TECHNICIAN

20.11

4.59

SCOPE OF WORK

Includes the installation, testing, service and maintenance, of the following systems which utilize the transmission and/or transference of voice, sound vision and digital for commercial, education, security and entertainment purposes for the following: TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call system, radio page, school intercom and sound, burglar alarms, fire alarms and life safety systems (hang, terminate devices and panels and to conduct functional and systems tests), and low voltage master clock systems.

WORK EXCLUDED

Raceway systems are not covered (excluding Ladder-Rack for the purpose of the above listed systems). Chases and/or nipples (not to exceed 10 feet) may be installed on open wiring systems.

Energy management systems.

SCADA (Supervisory Control and Data Acquisition) when not intrinsic to the above listed systems (in the scope).

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ELEC0076A 07/01/2002		
	Rates	Fringes
GRAYS HARBOR, LEWIS, MASON, PACIFIC, PIERCE, THURSTON COUNTIES		
ELECTRICIANS	30.23	3%+10.34
CABLE SPLICERS	33.25	3%+10.34

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ELEC0076D 06/01/2000

	Rates	Fringes
GRAYS HARBOR, LEWIS, MASON, PACIFIC, PIERCE AND THURSTON COUNTIES		
SOUND AND COMMUNICATIONS TECHNICIAN	18.59	5.24

SCOPE OF WORK

Includes the installation, testing, service and maintenance, of the following systems which utilize the transmission and/or transference of voice, sound, vision and digital for commercial, education, security and entertainment purposes for the following: TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call system, radio page, school intercom and sound, burglar alarms and low voltage master clock systems.



A. Communication systems that transmit or receive information and/or control systems that are intrinsic to the above listed systems

- SCADA (Supervisory control/data acquisition
- PCM (Pulse code modulation)
- Inventory control systems
- Digital data systems
- Broadband & baseband and carriers
- Point of sale systems
- VSAT data systems
- Data communication systems
- RF and remote control systems
- Fiber optic data systems

B. Sound and Voice Transmission/Transference Systems

- Background-Foreground Music
- Intercom and Telephone Interconnect Systems
- Sound and Musical Entertainment Systems
- Nurse Call Systems
- Radio Page Systems
- School Intercom and Sound Systems
- Burglar Alarm Systems
- Low-Voltage Master Clock Systems
- Multi-Media/Multiplex Systems
- Telephone Systems
- RF Systems and Antennas and Wave Guide

C. \*Fire Alarm Systems-installation, wire pulling and testing.

D. Television and Video Systems

- Television Monitoring and Surveillance Systems
- Video Security Systems
- Video Entertainment Systems
- Video Educational Systems

- Microwave Transmission Systems
- CATV and CCTV

E. Security Systems

- Perimeter Security Systems
- Vibration Sensor Systems
- Sonar/Infrared Monitoring Equipment
- Access Control Systems
- Card Access Systems

\*Fire Alarm Systems

1. Fire Alarms-In Raceways
  - a. Wire and cable pulling, in raceways, performed at the current electrician wage rate and fringe benefits.
  - b. Installation and termination of devices, panels, startup, testing and programming performed by the technician.
2. Fire Alarms-Open Wire Systems
  - a. Open wire systems installed by the technician.

ELEC0112B 01/01/2002		
	Rates	Fringes
KITTITAS COUNTY		
ELECTRICIANS	27.75	3%+8.63
CABLE SPLICERS	29.14	3%+8.63
-----		
ELEC0112G 06/01/2000		
	Rates	Fringes
KITTTITAS COUNTY		
COMMUNICATION & SOUND TECHNICIANS	19.00	4.80

#### SCOPE OF WORK

The work covered shall include the installation, testing, service and maintenance, of the following systems that utilize the transmission and/or transference of voice, sound, vision and digital for commercial, education, security and entertainment purposes for TV monitoring and surveillance, background foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call system, radio page, school intercom and sound, burglar alarms and low voltage master clock systems.

A. Communication systems that transmit or receive information and/or control systems that are intrinsic to the above listed systems  
 SCADA (Supervisory control/data acquisition  
 PCM (Pulse code modulation)  
 Inventory control systems  
 Digital data systems

Broadband & baseband and carriers  
 Point of sale systems  
 VSAT data systems  
 Data communication systems  
 RF and remote control systems  
 Fiber optic data systems

B. Sound and Voice Transmission/Transference Systems  
 Background-Foreground Music  
 Intercom and Telephone Interconnect Systems  
 Sound and Musical Entertainment Systems  
 Nurse Call Systems  
 Radio Page Systems  
 School Intercom and Sound Systems  
 Burglar Alarm Systems  
 Low-Voltage Master Clock Systems  
 Multi-Media/Multiplex Systems  
 Telephone Systems  
 RF Systems and Antennas and Wave Guide

C. \*Fire Alarm Systems-installation, wire pulling and

testing.

D. Television and Video Systems

- Television Monitoring and Surveillance Systems
- Video Security Systems
- Video Entertainment Systems
- Video Educational Systems
- Microwave Transmission Systems
- CATV and CCTV

E. Security Systems

- Perimeter Security Systems
- Vibration Sensor Systems
- Sonar/Infrared Monitoring Equipment
- Access Control Systems
- Card Access Systems

\*Fire Alarm Systems

1. Fire Alarms-In Raceways
  - a. Wire and cable pulling, in raceways, performed at the current electrician wage rate and fringe benefits.
  - b. Installation and termination of devices, panels, startup, testing and programing performed by the technician.
2. Fire Alarms-Open Wire Systems
  - a. Open wire systems installed by the technician.

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ELEC0191A 08/31/2001		
	Rates	Fringes
CHELAN COUNTY		
ELECTRICIANS	26.66	3%+8.03
CABLE SPLICERS	29.33	3%+8.03

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ELEC0191E 06/01/2002		
	Rates	Fringes
CHELAN AND SNOHOMISH COUNTIES		
SOUND AND COMMUNICATIONS		
TECHNICIANS	21.50	4.84

SCOPE OF WORK

The work covered shall include the installation, testing, service and maintenance, of the following systems that utilize the transmission and/or transference of voice, sound, vision and digital for commercial, education, security and entertainment purposes for TV monitoring and surveillance, background foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call system, radio page, school intercom and sound, burglar alarms and low voltage master clock systems.

A. Communication systems that transmit or receive

information and/or control systems that are intrinsic to the above listed systems

SCADA (Supervisory control/data acquisition

PCM (Pulse code modulation)

Inventory control systems

Digital data systems

Broadband & baseband and carriers

Point of sale systems

VSAT data systems

Data communication systems

RF and remote control systems

Fiber optic data systems

B. Sound and Voice Transmission/Transference Systems

Background-Foreground Music

Intercom and Telephone Interconnect Systems

Sound and Musical Entertainment Systems

Nurse Call Systems

Radio Page Systems

School Intercom and Sound Systems

Burglar Alarm Systems

Low-Voltage Master Clock Systems

Multi-Media/Multiplex Systems

Telephone Systems

RF Systems and Antennas and Wave Guide

C. \*Fire Alarm Systems-installation, wire pulling and testing.

D. Television and Video Systems

Television Monitoring and Surveillance Systems

Video Security Systems

Video Entertainment Systems

Video Educational Systems

Microwave Transmission Systems

CATV and CCTV

E. Security Systems

Perimeter Security Systems

Vibration Sensor Systems

Sonar/Infrared Monitoring Equipment

Access Control Systems

Card Access Systems

\*Fire Alarm Systems

1. Fire Alarms-In Raceways

a. Wire and cable pulling, in raceways, performed at the current electrician wage rate and fringe benefits.

b. Installation and termination of devices, panels, startup, testing and programming performed by the technician.

2. Fire Alarms-Open Wire Systems

a. Open wire systems installed by the technician.

ELEC0191L 08/31/2000

	Rates	Fringes
SNOHOMISH COUNTY		
ELECTRICIANS	28.21	3%+7.23
CABLE SPLICERS	31.03	3%+7.23

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ELEV0019B 07/01/2002

	Rates	Fringes
CHELAN, CLALLAM, GRAYS HARBOR, JEFFERSON, KING, KITSAP, KITTITAS, LEWIS, MASON, PIERCE, SNOHOMISH AND THURSTON COUNTIES		

ELEVATOR MECHANICS	32.565	7.455+a
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FOOTNOTE a: Vacation Pay: 8% with 5 or more years of service, 6% for 6 months to 5 years service. Paid Holidays: New Years Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Friday after, and Christmas Day.

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ELEV0023B 04/01/2002

	Rates	Fringes
PACIFIC COUNTY		
ELEVATOR MECHANIC	32.735	7.455+a

FOOTNOTE a: Vacation Pay: 8% with 5 or more years of service, 6% for 6 months to 5 years service. Paid Holidays: Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Friday after, and Christmas Day, and New Years Day.

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ENGI0302B 06/01/2002

	Rates	Fringes
CHELAN (WEST OF THE 120TH MERIDIAN), CLALLAM, GRAYS HARBOR, JEFFERSON, KING, KITSAP, KITTITAS, MASON AND SNOHOMISH COUNTIES		

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 95% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

POWER EQUIPMENT OPERATORS:

Zone 1 (0-25 radius miles):

GROUP 1AAA	31.14	8.40
GROUP 1AA	30.64	8.40
GROUP 1A	30.14	8.40
GROUP 1	29.64	8.40
GROUP 2	29.20	8.40
GROUP 3	28.84	8.40
GROUP 4	26.74	8.40

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$ .70

Zone 3 (Over 45 radius miles) - \$1.00

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett,

Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle,  
Shelton, Wenatchee, Yakima

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom (including jib with attachments); Tower crane over 175 ft in height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader-overhead 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self propelled 45 yards and over; Slipform pavers; Transporters, all truck or track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-overhead, bridge type-20 tons through 44 tons; Chipper; Concrete Pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator,

shovel, backhoe-3 yards and under; Finishing Machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders-overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor patrol graders-finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barber Green; Scraper-self propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrade trimmer; Tractors, backhoes-over 75 hp; Transfer material service machine-shuttle buggy, blaw knox-roadtec; Truck crane oiler/driver-100 tons and over; Truck Mount portable conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler-asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift

materials; Saws-concrete; Scrpers-concrete and carry-all;  
Service engineer-equipment; Trenching machines; Truck Crane  
Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor;  
Concrete finish mahine-laser screed; Cranes-A frame-10 tons and  
under; Elevator and Manlift-permanent or shaft type;  
Gradechecker, Stakehop; Forklifts under 3000 lbs. with  
attachments; Hydralifts/boom trucks, 10 tons and under; Oil  
distributors, blower distribution and mulch seeding operator;  
Pavement breaker; Posthole digger, mechanical; Power plant;  
Pumps, water; Rigger and Bellman; Roller-other than plant mix;  
Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not

outfitted with protective clothing

H-2 Class "C" Suit - Base wage rate plus \$ .25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$ .50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$ .75 per hour.

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ENGI0370I 06/01/2001

	Rates	Fringes
CHELAN (EAST OF THE 120TH MERIDIAN) COUNTY		

ZONE 1:

POWER EQUIPMENT OPERATORS:

GROUP 1A	20.44	6.02
GROUP 1	20.99	6.02
GROUP 2	21.31	6.02
GROUP 3	21.92	6.02
GROUP 4	22.08	6.02
GROUP 5	22.24	6.02
GROUP 6	22.52	6.02
GROUP 7	22.79	6.02
GROUP 8	23.89	6.02

ZONE DIFFERENTIAL (Add to Zone 1

rate): Zone 2 - \$2.00

Zone 1: Within 45 mile radius of Spokane, Moses Lake, Pasco, Washington; Lewiston, Idaho

Zone 2: Outside 45 mile radius of Spokane, Moses Lake, Pasco, Washington; Lewiston, Idaho

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1A: Boat Operator; Crush Feeder; Oiler; Steam Cleaner

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors (under 2000 CFM, gas, diesel, or electric power); Deck Hand; Drillers Helper (assist driller in making drill rod connections, service drill engine and air compressor, repair drill rig and drill tools; drive drill support truck to and on the job site, remove drill cuttings from around bore hole and inspect drill rig while in operation); Fireman & Heat Tender; Grade Checker; Hydro-seeder, Mulcher, Nozzleman; Oiler Driver, & Cable Tender, Mucking Machine; Pumpman; Rollers, all types on subgrade, including seal and chip coatings (farm type, Case, John Deere & similar, or Compacting Vibrator), except when pulled by Dozer with operable blade; Welding Machine

GROUP 2: A-frame Truck (single drum); Assistant Refrigeration Plant (under 1000 ton); Assistant Plant Operator, Fireman or Pugmixer (asphalt); Bagley or Stationary Scraper; Belt Finishing Machine; Blower Operator (cement); Cement Hog; Compressor (2000 CFM or over, 2 or more, gas diesel or electric power); Concrete Saw (multiple cut); Distributor Leverman; Ditch Witch or similar; Elevator Hoisting Materials; Dope Pots (power agitated); Fork Lift or Lumber Stacker, hydra-lift & similar; Gin Trucks

(pipeline); Hoist, single drum; Loaders (bucket elevators and conveyors); Longitudinal Float; Mixer (portable-concrete); Pavement Breaker, Hydra-Hammer & similar; Power Broom; Railroad Ballast Regulation Operator (self-propelled); Railroad Power Tamper Operator (self-propelled); Railroad Tamper Jack Operator (self-propelled); Spray Curing Machine (concrete); Spreader Box (self-propelled); Straddle Buggy (Ross & similar on construction job only); Tractor (Farm type R/T with attachment, except Backhoe); Tugger Operator

GROUP 3: A-frame Truck (2 or more drums); Assistant Refrigeration Plant & Chiller Operator (over 1000 ton); Backfillers (Cleveland & similar); Batch Plant & Wet Mix Operator, single unit (concrete); Belt-Crete Conveyors with power pack or similar; Belt Loader (Kocal or similar); Bending Machine; Bob Cat; Boring Machine (earth); Boring Machine (rock under 8" bit) (Quarry Master, Joy or similar); Bump Cutter (Wayne, Saginaw or similar); Canal Lining Machine (concrete); Chipper (without crane); Cleaning & Doping Machine (pipeline); Deck Engineer; Elevating Belt-type Loader (Euclid, Barber Green & similar); Elevating Grader-type Loader (Dumor, Adams or similar); Generator Plant Engineers (diesel or electric); Gunnite Combination Mixer & Compressor; Locomotive Engineer; Mixermobile; Mucking Machine; Posthole Auger or Punch; Pump (grout or jet); Soil Stabilizer (P



& H or similar); Spreader Machine; Tractor (to D-6 or equivalent) and Traxcavator; Traverse Finish Machine; Turnhead Operator

GROUP 4: Concrete Pumps (squeeze-crete, flow-crete, pump-crete, Whitman & similar); Curb Extruder (asphalt or concrete); Drills (churn, core, calyx or diamond)(Operate drilling machine, drive or transport drill rig to and on job site and weld well casing); Equipment Serviceman, Greaser & Oiler; Hoist (2 or more drums or Tower Hoist); Loaders (overhead & front-end, under 4 yds. R/T); Refrigeration Plant Engineer (under 1000 ton); Rubber-tired Skidders (R/T with or without attachments); Surface Heater & Planer Machine; Trenching Machines (under 7 ft. depth capacity); Turnhead (with re-screening); Vacuum Drill (reverse circulation drill under 8" bit)

GROUP 5: Backhoe (under 45,000 gw); Backhoe and Hoe Ram (under 3/4 yd.); Carrydeck & boom truck (under 25 tons); Cranes (25 tons & under), all attachments including clamshell, dragline); Derricks & Stifflegs (under 65 tons); Drilling Equipment (8" bit & over) (Robbins, reverse circulation & similar)(operates drill machine, drive or transport drill rig to and on job site and weld well casing); Hoe Ram; Piledriving Engineers; Paving (dual drum); Railroad Track Liner Operator(self-propelled); Refrigeration Plant Engineer (1000 tons & over); Signalman (Whirleys, Highline Hammerheads or similar)

GROUP 6: Asphalt Plant Operator; Automatic Subgrader (Ditches & Trimmers) (Autograde, ABC, R.A. Hansen & similar on grade wire); Backhoe (45,000 gw and over to 110,000 gw); Backhoes & Hoe Ram (3/4 yd. to 3 yd.); Batch Plant (over 4 units); Batch & Wet Mix Operator (multiple units, 2 & incl. 4); Blade Operator (Motor Patrol & Attachments, Athey & Huber); Boom Cats (side); Cableway

Controller (dispatcher); Clamshell Operator (under 3 yds.); Compactor (self-propelled with blade); Concrete Pump Boom Truck; Concrete Slip Form Paver; Cranes (over 25 tons including 45 tons), all attachments including clamshell, dragline; Crusher, Grizzle & Screening Plant Operator; Dozer, 834 R/T & similar; Draglines (under 3 yds.); Drill Doctor; H.D.Mechanic; H.D. Welder; Loader Operator (front-end & overhead, 4 yds. incl. 8 yds.), Multiple Dozer Units with single blade; Paving Machine (asphalt and concrete); Quad-Track or similar equipment; Roller (finishing asphalt pavement); Roto Mill (pavement grinder); Scrapers, all rubber-tired; Screed Operator; Shovel (under 3 yds.); Tractors (D-6 & equivalent & over); Trenching Machines (7 ft. depth & over); Tug Boat Operator; Vactor Guzzler, super sucker

GROUP 7: Backhoe (over 110,000 gw); Backhoes & Hoe Ram (3 yds. & over ); Blade (finish & bluetop), Automatic, CMI, ABC, Finish Athey & Huber & similar when used as automatic; Cableway Operators; Clamshell Operator (3 yds. & over); Cranes (over 45 tons to but not including 85 tons), all attachments including clamshell and dragline; Derricks & Stifflegs (65 tons & over); Draglines (3 yds. & over); Elevating Belt (Holland type); Heavy Equipment Robotics Operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead &

front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Ultra High Pressure Waterjet Cutting Tool System Operator (30,000 psi); Vacuum Blasting Machine Operator; Whirleys & Hammerheads, ALL

GROUP 8: Cranes (85 tons and over, and all climbing, overhead, rail and tower); Loaders (overhead and front-end, 10 yards and over); Helicopter Pilot

BOOM PAY: (All Cranes, Including Tower)  
180' to 250' \$.30 over scale  
Over 250' \$.60 over scale

NOTE: In computing the length of the boom on Tower Cranes, they shall be measured from the base of the tower to the point of the boom.

HAZMAT: Anyone working on HAZMAT jobs, working with supplied air shall receive \$1.00 an hour above classification.

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ENGI0612B 06/01/2002

LEWIS, PIERCE, PACIFIC (portion lying north of a parallel line extending west from the northern boundary of Wahkaikum County to the sea) AND THURSTON COUNTIES

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

POWER EQUIPMENT OPERATORS:

Zone 1 (0-25 radius miles):

GROUP 1AAA	31.14	8.40
GROUP 1AA	30.64	8.40
GROUP 1A	30.14	8.40
GROUP 1	29.64	8.40
GROUP 2	29.20	8.40
GROUP 3	28.84	8.40
GROUP 4	26.74	8.40

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) = \$ .70

Zone 3 (Over 45 radius miles) - \$1.00

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes- 200 tonsto 300 tons, or 250 ft of boom (including jib with attachments; Tower crane over 175 ft in height, bas to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader-overhead, 6 yards to, but not including, 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9 HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self-propelled 45 yards and over; Slipform pavers; Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-Overhead, bridge type, 20 tons through 44 tons; Chipper; Concrete pump-truck mount with boom attachment; Crusher; Deck engineer/deck winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Loaders, overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics- all; Mixers, asphalt plant; Motor patrol graders, finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self-propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrader trimmer; Tractors, backhoe over 75

hp; Transfer material service machine-shuttle buggy, Blaw Knox-Roadtec; Truck Crane oiler/driver-100 tons and over; Truck Mount Portable Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler-asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing

H-2 Class "C" Suit - Base wage rate plus \$ .25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$ .50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$ .75 per hour.

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IRON0086A 07/01/2001  
IRONWORKERS Rates Fringes  
25.82 11.35  
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LAB00001I 06/01/2001  
CHELAN AND KITTITAS COUNTIES Rates Fringes  
LABORERS:  
ZONE 1:  
GROUP 1 14.46 5.80  
GROUP 2 16.78 5.80  
GROUP 3 18.50 5.80  
GROUP 4 18.98 5.80  
GROUP 5 19.34 5.80

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$ .70

ZONE 3 - \$1.00

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE,  
AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective city hall

ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall

ZONE 3 - More than 45 radius miles from the respective city hall

CALLAM, GRAYS HARBOR, JEFFERSON, KING, KITSAP, LEWIS, MASON,

PACIFIC (North of a straight line made by extending the north boundary of Wahkiakum County west to the Pacific Ocean), PIERCE, SNOHOMISH AND THURSTON COUNTIES

LABORERS:

ZONE 1:

GROUP 1	16.92	5.80
GROUP 2	19.24	5.80
GROUP 3	23.92	5.80
GROUP 4	24.40	5.80
GROUP 5	24.76	5.80

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$ .70

ZONE 3 - \$1.00

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT,  
SEATTLE, KENT, TACOMA, OLYMPIA,  
CENTRALIA, ABERDEEN, SHELTON, PT.  
TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective city hall

ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall

ZONE 3 - More than 45 radius miles from the respective city hall

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Mortarman and Hodcarrier; Nozzleman

(concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20'); Spreader (concrete); Tamper and Similar electric, air and gas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Powderman; Re-Timberman; Hazardous Waste Worker (Level A).

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LAB00238I 06/01/2002		
	Rates	Fringes
CHELAN COUNTY		
HOD CARRIERS	21.55	5.50

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LAB00335C 06/01/2001

	Rates	Fringes
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PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean)  
COUNTY

ZONE 1:

LABORERS:

GROUP 1	22.27	6.75
GROUP 2	22.77	6.75
GROUP 3	23.15	6.75
GROUP 4	23.47	6.75
GROUP 5	20.12	6.75
GROUP 6	18.06	6.75
GROUP 7	15.36	6.75

LABORERS CLASSIFICATIONS

GROUP 1: Asphalt Plant Laborers; Asphalt Spreaders; Batch Weighman; Broomers; Brush Burners and Cutters; Car and Truck Loaders; Carpenter Tender; Change-House Man or Dry Shack Man; Choker Setter; Clean-up Laborers; Curing-concrete; Demolition, Wrecking, and Moving Laborers; Dumpers, road oiling crew; Dumpmen (for grading crew); Elevator Feeders; Guard Rail, Median Rail, Reference Post, Guide Post, Right-of-way Marker; Fine Graders; Fire Watch; Form Strippers (not swinging stages); General Laborers; Hazardous Waste Worker; Leverman or Aggregate Spreader (Flaherty and similar types); Loading Spotters; Material Yard Man (including electrical); Pittsburgh Chipper Operator or similar types; Railroad Track Laborers; Ribbon Setters (including steel forms); Rip Rap Man (hand placed); Road Pump Tender; Sewer Laborer; Signalman; Skipman; Slopers; Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring; Timber Faller and Bucker (hand labor); Toolroom Man (at job site); Tunnel Bullgang (above ground); Weight-Man-Crusher

(aggregate when used)

GROUP 2: Applicator (including pot power tender for same), applying protective material by hand or nozzle on utility lines or storage tanks on project; Brush (power saw); Burners; Choker Splicer; Clary Power Spreader and similar types; Clean up-nozzleman-Green cutter (concrete, rock, etc.); Concrete Laborer; Concrete Power Buggyman; Crusher Feeder; Demolition and Wrecking Charred Materials; Gunitite Nozzleman Tender; Gunitite or Sand Blasting Pot Tender; Handlers or Mixers of all Materials of an irritating nature (including cement and lime); Pipe Doping & Wrapping; Tool Operators (includes but not limited to: Dry pack machine, Jackhammer, Chipping guns, Paving breakers); Post Hole Digger, air, gas or electric; Vibrating Screed; Tampers; Sand Blasting (wet); Stake-Setter; Tunnel-Muckers, Brakemen, Concrete Crew, Bull gang (Underground)

GROUP 3: Asbestos Removal (structural removal only); Bit Grinder; Drill Doctor; Drill Operators, air tracks cat drills, wagon drills, rubber-mounted drills, and other similar types; Concrete Saw Operator; Gunitite Nozzleman; High scalers, strippers and drillers (covers work in swinging stages, chairs or belts, under extreme conditions unusual to normal drilling, blasting, barring-down, or sloping and stripping); Manhole Builder; Powdermen; Power Saw Operators (Bucking and Falling); Pumpcrete Nozzlemen; Sand Blasting (dry); Sewer Timberman; Track Liners;

Anchor Machines; Ballast Regulators; Multiple Tampers; Power Jacks; Tugger Operator; Tunnel-Chuck Tenders, Nippers and Timberman; Vibrator; Water Blaster

GROUP 4: Asphalt Raker; Concrete Saw Operator (walls); Concrete Nozzelman; Grade Checker; Pipelayer; Laser Beam (Tunnel) applicable when assigned to move, set up, align laser beam; Miner-Tunnel; Motorman-dinky Locomotive-Tunnel; Powderman-Tunnel; Shield Operator-Tunnel

GROUP 5: Traffic Flaggers

GROUP 6: Fence Builders

GROUP 7: Landscaping and Planting Laborers

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 -	\$0.65
ZONE 3 -	1.15
ZONE 4 -	1.70
ZONE 5 -	2.75

ZONE DEFINITIONS

BASE POINTS: GOLDENDALE, LONGVIEW, AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall  
ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.

ZONE 3: More than 40 miles but less than 50 miles from the  
 respective city hall.  
 ZONE 4: More than 50 miles but less than 80 miles from the  
 respective city hall.  
 ZONE 5: More than 80 miles from the respective city hall.

LAB00335K 06/01/2002

	Rates	Fringes
PACIFIC(south of a straight line made by extending the north boundary of Wahkiakum County west to the Pacific Ocean)		

HOD CARRIERS	25.04	6.15
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PAIN0005A 03/01/2000

	Rates	Fringes
CLALLAM, GRAYS HARBOR, JEFFERSON, KING, KITSAP, LEWIS, MASON, PIERCE, SNOHOMISH AND THURSTON COUNTIES		

PAINTERS	22.94	3.73
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PAIN0005C 06/10/2000

	Rates	Fringes
CLALLAM, GRAYS HARBOR, JEFFERSON, KING, KITSAP, LEWIS, MASON, PIERCE, SNOHOMISH AND THURSTON COUNTIES		

DRYWALL FINISHERS	25.50	7.82
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PAIN0005H 07/01/2002

	Rates	Fringes
CHELAN AND KITTITAS COUNTIES		
PAINTERS:		
BRUSH, PAPERHANGER, STEAM-CLEANING, STRIPING and SPRAY	19.50	4.02
TV, RADIO, ELECTRICAL TRANSMISSION TOWERS	21.25	4.02

PAIN0005P 06/01/2002

	Rates	Fringes
CALLAM, GRAYS HARBOR, JEFFERSON, LEWIS, MASON, PACIFIC (NORTHERN PORTION), PIERCE AND THURSTON COUNTIES		

SOFT FLOOR LAYERS	22.52	6.89
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PAIN0054G 09/01/2001

	Rates	Fringes
CHELAN AND KITTITAS COUNTIES		
GLAZIERS	17.32	3.17



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PAIN0054I 06/01/1999		
	Rates	Fringes
CHELAN AND KITTITAS COUNTIES		
DRYWALL FINISHER (TAPER)	19.98	4.25
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PAIN0055M 01/01/2000		
	Rates	Fringes
PACIFIC COUNTY		
DRYWALL FINISHERS	24.00	7.60
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PAIN0055N 11/01/1999		
	Rates	Fringes
PACIFIC COUNTY		
PAINTERS:		
Brush & Roller	17.10	3.48
Spray and Sandblasting	17.70	3.48
High work - All work		
60 ft. or higher	17.60	3.48
-----		
PAIN0188A 07/01/2002		
	Rates	Fringes
CLALLAM, JEFFERSON, KING, KITSAP, LEWIS, MASON, PIERCE, SNOHOMISH AND THURSTON COUNTIES		
GLAZIERS	28.10	8.61
-----		
PAIN0188B 07/01/2001		
	Rates	Fringes
GRAYS HARBOR AND PACIFIC COUNTIES		
GLAZIERS	14.58	4.69
-----		
PAIN1238D 06/01/2001		
	Rates	Fringes
KING, KITSAP AND SNOHOMISH COUNTIES		
SOFT FLOOR LAYERS	23.69	6.91
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PLAS0072C 06/01/2001		
	Rates	Fringes
CHELAN AND KITTITAS COUNTIES		
Zone 1:		
CEMENT MASONS	21.36	5.63

Zone Differential (Add to Zone 1  
rates): Zone 2 - \$2.00

BASE POINTS: Spokane, Pasco, Moses Lake, and Lewiston

Zone 1: 0 - 45 radius miles from the main post office

Zone 2: 45 radius miles from the main post office

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PLAS0082D 06/01/2001		
	Rates	Fringes
PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean) COUNTY		
PLASTERERS	25.19	6.58

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PLAS0528B 06/01/2002		
	Rates	Fringes
CLALLAM, GRAYS HARBOR, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum Count, west to the Pacific Ocean), PIERCE, SNOHOMISH AND THURSTON COUNTIES		
CEMENT MASONS	27.18	9.84

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PLUM0032A 01/01/2002		
	Rates	Fringes
CHELAN AND KITTITAS (NORTHERN TIP) COUNTIES		
PLUMBERS AND PIPEFITTERS	25.09	9.17

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PLUM0032B 01/01/2002		
	Rates	Fringes
CLALLAM, KING AND JEFFERSON COUNTIES		
PLUMBERS AND PIPEFITTERS	32.08	11.53

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PLUM0082D 06/01/2001		
	Rates	Fringes
GRAYS HARBOR, LEWIS, MASON (EXCLUDING NE SECTION), PACIFIC, PIERCE AND THURSTON COUNTIES		
PLUMBERS AND PIPEFITTERS	24.57	14.72

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PLUM0265A 06/01/2001		
	Rates	Fringes
SNOHOMISH COUNTY		
PLUMBERS AND PIPEFITTERS:	28.37	10.24

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PLUM0598B 06/01/2001		
	Rates	Fringes
KITTITAS (ALL BUT NORTHERN TIP)		
PLUMBERS AND PIPEFITTERS	28.85	11.55

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PLUM0631A 06/01/2001		
	Rates	Fringes
MASON (NE SECTION), AND KITSAP COUNTIES		
PLUMBERS/PIPEFITTERS:		
All new construction, additions, and remodeling of commercial building projects such as: cocktail lounges and taverns, professional buildings, medical clinics, retail stores, hotels and motels, restaurants and fast food types, gasoline service		
stations, and car washes where the plumbing and mechanical cost of the project is less than \$100,000	14.55	7.98
All other work where the plumbing and mechanical cost of the project is \$100,000 and over	24.65	13.41

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ROOF0054A 06/01/2002		
	Rates	Fringes
CLALLAM, JEFFERSON, KING, KITSAP, MASON AND SNOHOMISH COUNTIES		
ROOFERS	25.37	8.41

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ROOF0153A 06/01/2002		
	Rates	Fringes
GRAYS HARBOR, LEWIS, PACIFIC, PIERCE AND THURSTON COUNTIES		
ROOFERS	25.00	6.44

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ROOF0189A 07/01/2002		
	Rates	Fringes
CHELAN COUNTY		
ROOFERS	19.65	6.05

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ROOF0189E 07/01/2002

	Rates	Fringes
KITTITAS COUNTY		
ROOFERS	18.00	5.60

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SFWA0699B 07/01/2001

	Rates	Fringes
KING, KITSAP, PIERCE, SNOHOMISH AND THURSTON COUNTIES		
SPRINKLER FITTERS	31.48	10.95

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\* SHEE0066D 06/01/2002

	Rates	Fringes
CHELAN COUNTY		
SHEET METAL WORKERS	24.04	7.93

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WA020002 - 1

\* SHEE0066F 06/01/2002

	Rates	Fringes
CLALLAM, GRAYS HARBOR, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC, PIERCE, SNOHOMISH AND THURSTON COUNTIES		
SHEET METAL WORKERS	31.23	11.09

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\* SHEE0066M 06/01/2002

	Rates	Fringes
KITTITAS COUNTY		
SHEET METAL WORKERS	25.88	9.90

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TEAM0174B 06/01/2002

	Rates	Fringes
CLALLAM, GRAYS HARBOR, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SNOHOMISH AND THURSTON COUNTIES		

TRUCK DRIVERS:

GROUP 1:	25.79	9.68
GROUP 2:	25.21	9.68
GROUP 3:	22.81	9.68
GROUP 4:	18.56	9.68
GROUP 5:	25.55	9.68

#### TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - "A-frame or Hydralift" trucks and Boom trucks or similar equipment when "A" frame or "Hydralift" and Boom truck or similar equipment is used; Buggymobile; Bulk Cement Tanker; Dumpsters and similar equipment, Tournorockers, Tournowagon,

Tournotrailer, Cat DW series, Terra Cobra, Le Tourneau, Westinghouse, Athye Wagon, Eucid Two and Four-Wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump Trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with 16 yards to 30 yards capacity: Over 30 yards \$.15 per hour additional for each 10 yard increment; Explosive Truck (field mix) and similar equipment; Hyster Operators (handling bulk loose aggregates); Lowbed and Heavy Duty Trailer; Road Oil Distributor Driver; Spreader, Flaherty Transit mix used exclusively in heavy construction; Water Wagon and Tank Truck-3,000 gallons and over capacity

GROUP 2 - Bulllifts, or similar equipment used in loading or unloading trucks, transporting materials on job site; Dumpsters, and similar equipment, Tournorockers, Tournowagon, Turnotrailer, Cat. D.W. Series, Terra Cobra, Le Tourneau, Westinghous, Athye wagon, Euclid two and four-wheeled power tractor with trailer and similar top-loaded equipment transporting material, Dump trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with less than 16 yards capacity; Flatbed: (Dual Rear Axle); Grease Truck, Fuel Truck, Greaser, Battery Service Man and/or Tire Service Man; Leverman and loader at bunkers and batch plants; Oil tank transport; Scissor, Slurry

Truck; Sno-Go and similar equipment; Swampers; Straddler Carrier (Ross, Hyster) and similar equipment; Team Driver; Tractor (small rubber-tired (when used within Teamster jurisdiction); Vacuum truck; Water Wagon and Tank trucks-less than 3,000 gallons capacity; Winch truck; Wrecker, tow truck and similar equipment

GROUP 3 - Flatbed: single rear axle; Pickup sweeper, Pickup Truck (Adjust upward by \$2.00 per hour for onsite work)

GROUP 4 - Escort or pilot driver

GROUP 5 - Mechanic

#### HAZMAT PROJECTS

Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C: +\$.25 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B: +\$.50 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit."

LEVEL A: +\$.75 per hour - This level utilizes a fully-encapsulated suit with a self-contained breathing apparatus or a supplied air line.

#### ZONE DIFFERENTIAL

Zone pay will be calculated from the city center of the following listed cities:

BELLINGHAM

CENTRALIA

RAYMOND

OLYMPIA

EVERETT  
SEATTLE  
TACOMA

SHELTON  
PORT ANGELES  
PORT TOWNSEND

ANACORTES  
MT. VERNON  
ABERDEEN

BELLEVUE  
KENT  
BREMERTON

Zone A - 0 - 25 miles - Free Zone  
Zone B - 25 - 45 miles - \$ .70 per hour  
Zone C - Over 45 miles - \$1.00 per hour

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TEAM0760F 06/01/2001

Rates

Fringes

CHELAN AND KITTITAS COUNTIES

(ANYONE WORKING ON HAZMAT  
JOBS SEE FOOTNOTE A BELOW)

TRUCK DRIVERS:

GROUP 1	19.33	8.00
GROUP 2	21.97	8.00
GROUP 3	22.08	8.00
GROUP 4	22.41	8.00
GROUP 5	22.52	8.00
GROUP 6	22.68	8.00
GROUP 7	23.22	8.00
GROUP 8	23.64	8.00

#### TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Escort Driver or Pilot Car; Employee Haul; Power Boat  
Hauling Employees or Material

GROUP 2: Fish Truck; Flat Bed Truck; Fork Lift (3000 lbs. and  
under); Trailer Mounted Hydro Seeder and Mulcher; Leverperson  
(loading trucks at bunkers); Seeder & Mulcher; Stationary Fuel  
Operator; Tractor (small, rubber-tired, pulling trailer or  
similar equipment)

GROUP 3: Auto Crane (2000 lbs. capacity); Buggy Mobile &  
Similar; Bulk Cement Tanks & Spreader; Dumptor (6 yds. & under);  
Flat Bed Truck with Hydraulic System; Fork Lift (3001-16,000  
lbs.); Fuel Truck Driver; Steamcleaner & Washer; Power Operated  
Sweeper; Rubber-tired Tunnel Jumbo; Scissors Truck; Slurry Truck  
Driver; Straddle Carrier (Ross, Hyster, & similar); Tireperson;  
Transit Mixers & Truck Hauling Concrete (3 yd. to & including 6  
yds.); Trucks, side, end, bottom and articulated end dump (3  
yards to and including 6 yds.); Warehouseperson (to include  
shipping & receiving); Wrecker & Tow Truck

GROUP 4: A-Frame; Burner, Cutter, & Welder; Service Greaser;  
Trucks, side, end, bottom and articulated end dump (over 6 yds.  
to & including 12 yds.); Truck Mounted Hydro Seeder;  
Warehouseperson; Water Tank truck (0-8000 gallons)

GROUP 5: Dumpster (over 6 yds.); Lowboy (50 tons & under); Self-  
Loading Roll Off; Semi-Truck & Trailer; Tractor with Steer

Trailer; Transit Mixers and Trucks Hauling Concrete (over 6 yds. to and including 10 yds.); Trucks, side, end, bottom and articulated end dump (over 12 yds. to & including 20 yds.); Truck-Mounted Crane (with load bearing surface either mounted or pulled)(up to 14 ton); Vacuum Truck (super sucker, guzzler, etc.)

GROUP 6: Flaherty Spreader Box Driver; Flowboys; Fork Lift (over 16,000 lbs.); Dumps (Semi-end); Lowboy (over 50 tons); Mechanic (Field); Transfer Truck and Trailer; Transit Mixers & Trucks Hauling Concrete (over 10 yds. to & including 20 yds.); Trucks, side, end, bottom and end dump (over 20 yds. to & including 40 yds.); Truck and Pup; Tournarocker, DW's & similar with 2 or more 4 wheel-power tractor with trailer, gallonage or yardage scale, whichever is greater; Water Tank Truck (8,001-14,000 gallons)

GROUP 7: Oil Distributor Driver; Stringer Truck (cable operated trailer); Transit Mixers & Hauling Concrete (over 20 yds.); Truck, side, end, bottom and articulated end dump (over 40 yds. to & including 100 yds.); Truck Mounted Crane (with load bearing surface either mounted or pulled (16 through 25 tons)

GROUP 8: Prime Movers and Stinger Truck; Trucks, side, end, bottom and articulated end dump (over 100 yds.); Helicopter

Pilot Hauling Employees or Materials

Footnote A- Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL D: - \$.25 PER HOUR (This is the lowest level of protection. No respirator is used and skin protection is minimal.  
LEVEL C: - \$.50 PER HOUR (This level uses an air purifying respirator or additional protective clothing.  
LEVEL B: - \$.75 PER HOUR (Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit."  
LEVEL A: - \$1.00 PER HOUR (this level utilizes a fully-encapsulated suit with a self-contained breathing apparatus or a supplied air line.

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.  
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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(ii)).  
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In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

## WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210



4.) All decisions by the Administrative Review Board are final.  
END OF GENERAL DECISION

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------------	----------------------

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Section

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## SECTION 01410

### ENVIRONMENTAL PROTECTION

#### PART 1 GENERAL

##### 1.1 SCOPE

This Section covers prevention of environmental pollution and damage as the result of construction operations under this contract. For the purpose of this specification, environmental pollution, and damage is defined as the presence of chemical, physical, or biological elements or agents which adversely affect human health or welfare; unfavorably alter ecological balances of importance to human life; affect other species of importance to man; or degrade the utility of the environment for esthetic, cultural, and/or historical purposes. The control of environment pollution and damage requires consideration of air, water, and land, and includes management of visual esthetics, noise, and solid waste, as well as other pollutants. The environmental resources within the project boundaries and those affected outside the limits of permanent work shall be protected during the entire duration of this contract.

##### 1.1.1 Subcontractors

Assurance of compliance with this Section by subcontractors will be the responsibility of the Contractor.

##### 1.1.2 Permits

The Contractor shall obtain all needed permits or licenses. The Government will not obtain any permits for this project; see Contract Clause PERMITS AND RESPONSIBILITIES. The State department of natural resources, through the national pollutant discharge elimination system (NPDES), requires general permits, a notice of intent, and a notice of discontinuation. The Contractor shall be responsible for implementing the terms and requirements of the appropriate permits as needed and for payment of all fees.

##### 1.1.3 Previously Used Equipment

The Contractor shall thoroughly clean all construction equipment previously used at other sites before it is brought into the work areas, ensuring that soil residuals are removed and that egg deposits from plant pests are not present; the Contractor shall consult with the USDA jurisdictional office for additional cleaning requirements.

##### 1.1.4 Work Area Limits

Prior to any construction, the Contractor shall mark the areas that must not be disturbed under this contract. Isolated areas within the general work area which are to be saved and protected shall also be marked or fenced. Monuments and markers, including the existing fence along the western portion of the property, shall be protected before construction operations commence. Where construction operations are to be conducted during darkness, the markers shall be visible. The Contractor's personnel shall be knowledgeable of the purpose for marking and/or protecting particular objects. See Paragraph "Work Restrictions" for limitations related to ordinary high water mark.

#### 1.1.5 Payment

No separate payment will be made for work covered under this section; all costs associated with this section shall be included in the contract unit and/or lump sum prices in the Bid Schedule.

### 1.2 QUALITY CONTROL

The Contractor shall establish and maintain quality control for environmental protection of all items set forth herein. The Contractor shall record any problems in complying with laws, regulations, and ordinances, and corrective action taken.

### 1.3 NOTIFICATION

When the Contracting Officer notifies the Contractor in writing of any observed noncompliance with Federal, state, or local laws, regulations, or permits, the Contractor shall, after receipt of such notice, inform the Contracting Officer of proposed corrective action and take such action as may be approved. If the Contractor fails to comply promptly, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No time extensions will be granted or costs or damage allowed to the Contractor for any such suspension.

### 1.4 PROTECTION OF ENVIRONMENTAL RESOURCES

The environmental resources within the project boundaries and those affected outside the limits of permanent work under this contract shall be protected during the entire period of this contract. The Contractor shall confine all activities to areas defined by the drawings and specifications. Environmental protection shall be as stated in the following subparagraphs:

#### 1.4.1 Protection of Land Resources

The Contractor shall not remove, cut, deface, injure, or destroy land resources including trees, shrubs, vines, grasses, topsoil, and land forms without special permission from the Contracting Officer, except as otherwise specified or indicated. No ropes, cables, or guys shall be fastened to or attached to any trees for anchorage unless specifically authorized. Where such emergency use is permitted, the Contractor shall provide effective protection for land and vegetation resources at all times as defined in the following paragraphs. Stone, earth or other material displaced into uncleared areas shall be removed. See Paragraph 1.5 for additional requirements relating to protection of trees during excavation in the vicinity of a tree.

#### 1.4.2 Disposal of Garbage

Garbage shall be placed in containers which are emptied on a regular schedule. All handling and disposal shall be conducted to prevent contamination.

#### 1.4.3 Refuse Disposal and Cleanup

Refuse shall be defined as debris other than such organic materials as brush or tree stumps.



#### 1.4.3.1 Refuse Disposal

The cost of refuse disposal, such as transportation, handling, dumping fees as applicable, and similar cost, shall be included in the contract price. Refuse shall be disposed of off site, in accordance with all local, state, and Federal rules and regulations, at the Contractor's expense.

#### 1.4.3.2 Fire Hazard

Cloths, cotton waste, and other combustible materials that might constitute a fire hazard shall be placed in closed metal containers and placed outside or destroyed at the end of each day.

#### 1.4.4 Restrictions

The Contractor will not be permitted to deposit refuse in existing garbage cans or refuse dumpsters. Cleaners shall not be poured, drained, or washed into plumbing fixtures or sanitary or storm sewers. Debris, dirt, dust, and stains attributable to or resulting from the work effort shall be removed, cleaned, or effaced by the Contractor to the satisfaction of the Contracting Officer prior to acceptance of the job. Refuse shall not be burned. Burning of vegetation or tree stumps will not be allowed.

#### 1.4.5 Disposal of Chemical or Hazardous Waste

Chemical or hazardous waste shall be stored in corrosion-resistant containers, removed from the work area, and disposed of in accordance with Federal, State, and local regulations. For disposal of asbestos materials, see Section 13280 –ASBESTOS ABATEMENT.

#### 1.4.6 Disposal of Discarded Materials

Discarded materials, other than those which can be included in the solid waste category, shall be handled as directed.

#### 1.4.7 Protection of Water Resources

The Contractor shall keep construction activities under surveillance, management, and control to avoid pollution of surface and ground waters. Toxic or hazardous chemicals shall not be applied to soil or vegetation when such application may cause contamination of the fresh water reserve. Monitoring of water areas affected by construction shall be the Contractor's responsibility. All water areas affected by construction activities shall be monitored by the Contractor.

#### 1.4.8 Protection of Air Resources

Equipment operation and activities or processes performed by the Contractor in accomplishing the specified construction shall be in accordance with the State of Washington rules and all Federal emission and performance laws and standards. Ambient Air Quality Standards set by the Environmental Protection Agency shall be maintained. Monitoring of air quality shall be the Contractor's responsibility. All air areas affected by the construction activities shall be monitored by the Contractor.

##### 1.4.8.1 Particulates

Dust particles, aerosols, and gaseous byproducts from construction activities, processing, and preparation of materials shall be controlled at all times, including weekends, holidays, and hours when work is not in progress. Hydrocarbons and carbon monoxide emissions from equipment shall be controlled to Federal and state allowable limits at all times. The Contractor shall maintain excavations, stockpiles, haul roads, permanent and temporary access roads, plant sites, spoil areas, borrow areas, and other work areas within or outside the project boundaries free from particulates which would cause the air pollution standards to be exceeded or which would cause a hazard or a nuisance. Sprinkling, chemical treatment of an approved type, light bituminous treatment, baghouse, scrubbers, electrostatic precipitators or other methods will be permitted to control particulates in the work area. Sprinkling, to be efficient, must be repeated to keep the disturbed area damp at all times. The Contractor must have sufficient, competent equipment available to accomplish these tasks. Particulate control shall be performed as the work proceeds and whenever a particulate nuisance or hazard occurs.

### 1.5 PROTECTION OF TREES DURING EXCAVATION

Care shall be exercised by the contractor when excavating trenches in the vicinity of trees. Where roots are 51 mm (2 inches) in diameter or greater, the trench shall be excavated by hand and tunneled. When large roots are exposed, they shall be wrapped with a heavy burlap for protection and to prevent drying. Trenches dug by machines adjacent to trees having roots less than 50 mm (2 inches) in diameter shall have the sides hand trimmed making a clean cut of the roots. Trenches having exposed tree roots shall be backfilled within 24 hours unless adequately protected by moist burlap or canvas.

### 1.6 MAINTENANCE OF POLLUTION CONTROL FACILITIES

The Contractor shall maintain all constructed facilities and portable pollution control devices for the duration of the contract or for that length of time construction activities create the particular pollutant.

### 1.7 RESTORATION OF LANDSCAPE (VEGETATION - SUCH AS TREES, PLANTS, AND GRASS) DAMAGE

All landscape features (vegetation - such as trees, plants, and grass) damaged or destroyed during Contractor operations outside and within the work areas shall be restored to a condition similar to that which existed prior to construction activities unless otherwise indicated on the drawings or in the specifications. This restoration shall be done at no additional cost to the Government. If the Contractor fails or refuses to repair the damage promptly, the Contracting Officer may have the necessary work performed and charge the cost to the Contractor.

Trees shall be replaced in kind with a minimum 102 mm (4-inch) caliper nursery stock. Shrubs, vines, and ground cover shall be replaced in kind; size to be approved by the Contracting Officer.

All plant material shall meet specifications outlined in ANSI Z60.1 - current publication, "American Standard for Nursery Stock."

Grass areas shall be replaced in kind by sodding or seeding. Sod shall be required in all regularly maintained lawn areas and shall be installed according to American Sod Producers Association Guideline Specifications to Sodding.

Grass seeding shall be installed on a minimum 2-inch topsoil and as recommended by the local county extension service.

## 1.8 TRAINING OF CONTRACTOR PERSONNEL

The Contractor's personnel shall be trained in all phases of environmental protection. The training shall include methods of detecting and avoiding pollution, familiarization with pollution standards, both statutory and contractual, and installation and care of devices, vegetative covers, and instruments required for monitoring purposes to ensure adequate and continuous environmental pollution control.

## 1.9 WORK RESTRICTIONS

### 1.9.1 General

No work shall occur below the ordinary high water mark (+13.8 feet, NOAA MLLW datum) unless specifically authorized in writing by the Contracting Officer. Nothing whatsoever shall be placed, dropped or dumped into the waters of Commencement Bay. If any debris, material or equipment is accidentally put in the water, the Contracting Officer shall be notified immediately.

### 1.9.2 Bank Failure

The Contractor shall take measures to prevent silt runoff and bank failure. Work shall be scheduled around the tides to minimize adverse effects from any bank failure. A precautionary straw bale fence shall be placed at the base of the bank during low tide work. Prior to performing any work adjacent to the shore, such as driving sheet piles, the Contractor shall submit a bank failure contingency plan for approval. This plan will also be subject to review by the Washington State Department of Fish and Wildlife and other agencies.

### 1.9.3 Excavation Dewatering

The depth to groundwater at the site is estimated to be approximately 8 feet below surface grade (and may be influenced by tides due to proximity of surface waters), and trenches/pits dug for underground utilities will likely require dewatering. Groundwater at the project site has elevated concentrations of some heavy metals, and shall be disposed of accordingly (contact Ms. Lisa Pearson, Department of Ecology, at 360-407-6261 or <lpea461@ecy.wa.gov> to discuss disposal options). The groundwater may require treatment for off-site disposal. In no event shall any pumped groundwater be discharged to surface waters.

The Contractor may seek permission to discharge groundwater into the City of Tacoma sanitary sewer system. In order to obtain this permission, the following steps shall be followed: The first groundwater pumped from any trenches ~~will~~shall be stored above ground and tested for priority pollutants by the Contractor. The Contractor ~~will~~shall transmit the testing results to Mr. Rick Norberg, City of Tacoma Wastewater Management Operations Division, at 253-502-2164 or <rnorberg@cityoftacoma.org>. The City of Tacoma will issue a Special Approved Discharge Authorization if the concentrations meet their threshold requirements. Depending on the concentrations detected, the groundwater may be discharged to the City of Tacoma sanitary sewer system after a Special Approved Discharge Authorization is obtained by the Contractor. If the groundwater cannot be discharged into the City's sewer system, the Contractor shall contact the Contracting Officer and Ms. Lisa Pearson, Department of Ecology, at 360-407-6261 or

~~<lpea461@ecy.wa.gov> to discuss alternate disposal options. The groundwater may require treatment for off site disposal. In no event shall any pumped groundwater be discharged to surface waters.~~

#### 1.9.4 Outfall Installation

The removal of the existing stormwater outfall and installation of the new outfall is to occur in and adjacent to sensitive intertidal habitat. No heavy equipment may work from the mudflat beneath and adjacent to the pier. The Contractor may be allowed to remove planks from the pier and work from above. If the wooden bulkhead beneath the pier collapses during removal/installation, all boards shall be removed and not replaced. Any sediment removed from the area during trenching must not be side cast in areas where it will be inundated by tidal waters.

END OF SECTION

## SECTION 02456

### STEEL PIPE PILES

#### PART 1 GENERAL

##### 1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

##### AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM A 36/A 36M	(1997a) Carbon Structural Steel
ASTM A 242	Corrosion resistant high strength low alloy Steel. Grade 2 or 3.

##### AMERICAN WELDING SOCIETY (AWS)

AWS D1.1	(1998) Structural Welding Code – Steel
ASTM D 1143	(1981; R 1994e1) Piles under Static Axial Compressive Load.

##### 1.2 SUBMITTALS

Government approval is required for submittals with a “G” designation; submittals not having a “G” designation are for information only. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

##### SD-01 Data

Equipment;

Description of pile driving equipment to be employed in the work, prior to commencement of pile installations; including details of the pile hammer, power plant, leads, cushion material, and helmet.

##### SD-04 Drawings

Fabricated Additions;

Detail drawings of required fabricated additions to plain pile, prior to commencing work or ordering materials.

#### SD-09 Reports, G;

Report of load tests made on test piles under the supervision of a registered professional engineer in accordance with ASTM 1143, as specified.

#### SD-13 Certificates

Materials;

Certified copies of mill test reports for structural steel prior to commencement of pile installations.

#### SD-18 Records

Pile Driving;

A complete and accurate record of each driven pile, within 3 days of completion of driving. The record shall indicate the pile location (as driven), size, driven length, embedded length, final elevations of tip and top, pile weight, number of splices and locations, blows required for each 305 mm foot of penetration throughout the entire length of the pile and for the final 150 mm 6 inches of penetration, and the total driving time. The record shall also include the type and size of the hammer used, the rate of operation, and the type and dimensions of driving helmet and cushion block used. Any unusual conditions encountered during pile installation shall be recorded and immediately reported to the Contracting Officer.

### 1.3 EXPERIENCE

The work shall be performed by a general contractor or a specialty subcontractor specializing in the specified foundation system and having experience installing the specified foundation system under similar subsurface conditions.

### 1.4 SUBSURFACE DATA

Subsurface soil data logs are shown on the drawings.

## PART 2 PRODUCTS

### 2.1 MATERIALS

Piles shall be of sections, sizes, materials, and weights indicated. Pile tips as driven shall be square and blunt as received from the mill. Pile tip reinforcements or cast steel points occasionally may be required to obtain the required penetration. Steel shall conform to ASTM A 242. Test piles shall be identical to those used elsewhere in the project.

### 2.2 EQUIPMENT

#### 2.2.1 Pile Hammers

The hammer used shall have a delivered energy suitable for the total weight of the pile, the character of subsurface material to be encountered, and the pile capacity to be developed. The driving energy of the hammer shall be not less than 20,350 J (15,000 foot-pounds).

### 2.2.2 Driving Helmets and Pile Cushions

A driving helmet or cap, including a pile cushion, shall be used between the top of the pile and the ram to prevent impact damage to the pile. The driving helmet, or cap and pile cushion combination, shall be capable of protecting the head of the pile, minimizing energy absorption and dissipation, and transmitting hammer energy uniformly over the top of the pile. The driving helmet or cap shall fit loosely around the top of the pile so that the pile is not restrained by the driving cap if the pile tends to rotate during driving. The pile cushion may be made of solid wood or of laminated construction using plywood, softwood, or hardwood boards or other cushion material as approved by the Contracting Officer. The pile cushion shall completely cover the top surface of the pile and shall be retained by the driving helmet. The minimum thickness of the pile cushion shall be 75 mm 3 inches and the thickness shall be increased so as to be suitable for the size and length of pile, character of subsurface material encountered, hammer characteristics, and required driving resistance.

## PART 3 EXECUTION

### 3.1 INSTALLATION

#### 3.1.1 Pile Driving

Excavation shall be stopped at 305 mm (1 foot) above foundation grade before piles are driven. When pile driving is completed, excavation shall be completed to lines and grades shown. Piles shall be driven to or below the “calculated” tip elevation to reach a driving resistance in accordance with the schedule which the Contracting Officer will prepare from the load test results. The pile hammer used for driving shall be the same type, operated at the same rate and in the same manner, as that used for driving the test piles. Diesel-powered hammers shall be operated at the rate recommended by the manufacturer throughout the entire driving period. Sufficient pressure shall be maintained at the steam hammer to ensure correct stroke actuation. A new pile cushion shall be used at the start of driving for each pile and the cushion shall be replaced whenever it has become highly compressed, charred, burned, or deteriorated in any manner during driving. Each pile shall be driven continuously and without interruption until the required depth of penetration and penetration rate per blow have been attained. If a pile fails to reach the “calculated” tip elevation or if a pile reaches the “calculated” tip elevation without reaching the required driving resistance, the Contractor shall notify the Contracting Officer and perform directed corrective measures.

#### 3.1.2 Pre-Drilling

Pre-drilled starter holes will not be required.

#### 3.1.3 Jetting of Piles

Jetting of piles will not be permitted.

#### 3.1.4 Splices

Field splices shall be avoided for lengths under 10 m. (33 feet). When authorized by the Contracting Officer, splices shall be of the full penetration butt-weld type. Unless otherwise authorized by the Contracting Officer, only one splice will be permitted per length of pile. Splices shall be designed and constructed to maintain the true alignment and position of the pile sections. Splices shall develop the full strength of the pile in both bearing and bending. The Contracting Officer may use proprietary

prefabricated splicer sleeves upon prior approval. The Contractor shall provide a plan illustrating his proposed splicing details if different from that shown on the drawings.

### 3.1.5 Welding

Shop and field welding, qualification of welding procedures, welders, and welding operators shall be in accordance with AWS D1.1.

### 3.1.6 Tolerances in Driving

Top of pile at elevation of cut off shall be within 12 mm 0.5 inch of the location indicated. Manipulation of piles to force them into position will not be permitted. Piles will be checked for heave. Piles found to have heaved shall be redriven to the required point elevation. Piles damaged or driven outside the above tolerances shall be replaced or additional piles driven at locations specified by the Contracting Officer at no expense to the Government.

### 3.1.7 Cutting of Piles

Piles shall be cut off at the elevations indicated by a method approved by the Contracting Officer.

## 3.2 FIELD TESTS AND INSPECTIONS

### 3.2.1 Test Piles

The ~~two-six~~ test piles shall be driven in the manner specified elsewhere in this section. Test piles are to be located within the tolerances indicated and if they provide a safe design capacity, as determined by the results of a satisfactory load test; they are to be used as part of the building foundation. The Contractor shall drive the ~~two-six~~ test piles at the locations indicated on the building foundation drawings. If the test pile fails the load test then an extra pile must be driven a minimum of three diameters on center from the original test pile and the load test repeated. The design of the existing pile cap must be modified to meet the new piling layout.

### 3.2.2 Load Tests

The Contractor shall perform ~~two-six~~ 136-kN (30-ton) pile load tests. Load tests shall be in accordance with ASTM D 1143. The Contracting Officer reserves the right to increase or decrease the number of load tests. The load tests at locations shown shall be made on test piles placed to the tip elevation specified on the project foundation drawings. Loading, testing, and recording of data shall be under the direct supervision of a registered Professional engineer. A report shall be submitted in accordance with Paragraph SUBMITTALS. The installation of the remaining contract piles shall not proceed until a satisfactory load test has been performed on those ~~two-six~~ piles and the results approved by the Contracting Officer. A minimum of 14 days from submission of the report shall be allowed for approval.

### 3.2.3 Safe Design Capacity

Test piles shall be loaded to twice the anticipated working load unless failure occurs first. The safe design capacity of a load test as determined from the results of load tests shall be the lesser of the two values computed according to the following:



- a. One-half the load that causes a net settlement after rebound of not more than 0.029 mm per Kn. (0.01 inches per ton) of total test load.
- b. One-half the load that causes a gross settlement of not more than 25mm (1 inch) provided the load settlement curve shows no sign of failure.

### 3.3 SPECIAL INSPECTION AND TESTING FOR SEISMIC-RESISTING SYSTEMS

Special inspections and testing for seismic -resisting systems and components shall be done in accordance with Section 01452 SPECIAL INSPECTION FOR SEISMIC-RESISTING SYSTEMS.

END OF SECTION

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THIS SECTION IS ADDED IN ITS ENTIRETY BY AMENDMENT 0002.
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## SECTION 08201

### WOOD DOORS

#### PART 1 GENERAL

##### 1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

##### AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM E 283                    (1991) Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen

##### ARCHITECTURAL WOODWORK INSTITUTE (AWI)

AWI-02                        (1994) Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program

##### NATIONAL WOOD WINDOW & DOOR ASSOCIATION (NWWDA)

NWWDA I.S. 1-A            (1993) Architectural Wood Flush Doors

NWWDA I.S. 4                (1994) Water-Repellent Preservative Non-Pressure Treatment for Millwork

##### 1.2 GENERAL REQUIREMENTS

###### 1.2.1 Standard Products

Doors shall be of the type, size, and design indicated on the drawings, and shall be the standard products of manufacturers regularly engaged in the manufacture of wood doors.

###### 1.2.2 Marking

Each door shall bear a stamp, brand, or other identifying mark indicating quality and construction of the door. The identifying mark or a separate certification shall include identification of the standard on which construction of the door is based, identity of the manufacturing plant, identification of the standard under which preservative treatment, if used, was made, and identification of the doors having a Type I glue bond.

### 1.3 SUBMITTALS

Government approval is required for submittals with a "GA" designation; submittals having an "FIO" designation are for information only. The following shall be submitted in accordance with Section 01300 SUBMITTALS:

#### Drawings

Wood Doors; FIO.

Drawings indicating the location of each door, elevation of each type of door, details of construction, marks to be used to identify the doors, and location and extent of hardware blocking. Drawings shall include catalog cuts or descriptive data for doors, weather-stripping, and thresholds to be used.

#### Samples

Factory Coated Natural Finish; FIO.

Samples of factory applied natural finish.

### 1.4 STORAGE

Doors shall be stored in fully covered areas and protected from damage and from extremes in temperature and humidity. Doors shall be stored on supports to prevent warping or twisting, and to provide ventilation. Factory cartons or wrappers shall be kept intact until installation.

### 1.5 HARDWARE

Hardware, including weather-stripping and thresholds, is specified in Section 08700 BUILDERS' HARDWARE.

### 1.6 GLAZING

Glazing is specified in Section 08810 GLASS AND GLAZING.

### 1.7 WARRANTY

Manufacturer's standard performance guarantees or warranties that extend beyond a 1-year period shall be provided.

## PART 2 PRODUCTS

### 2.1 GENERAL FABRICATION REQUIREMENTS

#### 2.1.1 Edge Sealing

Wood end-grain exposed at edges of doors shall be sealed prior to shipment.

### 2.1.2 Adhesives

Adhesives shall be in accordance with NWWDA I.S. 1-A, requirements for Type II Bond Doors (water-repellent) for interior doors. Adhesive for doors to receive a transparent finish shall be non-staining.

### 2.1.3 Pre fitting

Doors shall be furnished pre fitted or unfitted at the option of the Contractor.

## 2.2 FLUSH DOORS

Flush doors shall be solid core and shall conform to NWWDA I.S. 1-A, except for the one year acclimation requirement in paragraph T-2, which shall not apply. Wood doors shall be 5-ply construction with faces, stiles, and rails bonded to the cores.

### 2.2.1 Core Construction

#### 2.2.1.1 Solid Cores

Door construction shall be glued wood block core or particle board core with vertical and horizontal edges bonded to the core. Blocking and hardware reinforcements for particle board core doors shall be in accordance with NWWDA I.S. 1-A.

### 2.2.2 Face Panels

#### 2.2.2.1 Natural Finished Wood Veneer Doors

Veneer doors to receive natural finish shall be Premium Grade, book matched red oak veneer in accordance with NWWDA I.S. 1-A. Vertical stile strips shall be selected to provide edges of the same species as the face veneer. Door finish shall be in accordance with paragraph FINISHING.

## 2.3 MOULDING AND EDGING

Molding and edging shall be as shown. Wood species for transparent finished doors shall be compatible with veneer.

## 2.4 FINISHING

### 2.4.1 Factory Coated Natural Finish

Doors indicated to receive factory coated natural finish shall be given a clear transparent finish conforming to AWI-02, Section 1500, Premium Grade, satin finish, medium rubbed sheen, close grain effect. Finish shall be in accordance with appropriate AWI factory finish system. Color of the natural finish shall be clear. Edges of unfitted doors shall be field finished after fitting to the frames.

## PART 3 EXECUTION

### 3.1 INSTALLATION OF DOORS

#### 3.1.1 General Use Doors

Doors shall be fit, hung, and trimmed as required. Door shall have a clearance of 3 mm at the sides and top and shall have a bottom clearance of 6 mm over thresholds and 13 mm at other locations unless otherwise shown. The lock edge or both edges of doors shall be beveled at the rate of 3 mm in 50 mm. Cuts made on the job shall be sealed immediately after cutting, using a clear varnish or sealer. Bottom of doors shall be undercut to allow clear door swing over carpeted areas. Vertical edges of doors, which have not been rounded or beveled at the factory, shall be eased when the doors are installed.

END OF SECTION

SECTION 10552

METAL STORAGE SHELVING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Metal storage shelving.

1.2 RELATED SECTIONS

- A. Section 09650 - Resilient Flooring: Substrate for metal storage shelving.
- B. Section 03300 - Cast-In-Place Concrete.

1.3 SUBMITTALS: Submit under provisions of Division 1.

- A. Shop Drawings: Submit shop drawings showing location, ranges and extent of metal shelving systems. Show installation details at any special or non-standard conditions.
- B. Samples:
  - 1. Initial Selection Purposes: Submit manufacturer's standard size samples of colors and finishes.
  - 2. Verification Purposes: Submit 6" square samples of each color and finish required. Prepare from same material to be used for the work.
- C. Seismic Calculations: Submit detailed calculations of seismic forces for fully loaded shelving, indicating compliance with seismic design requirements.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Firm (material producer) with not less than 3 years of production experience, whose published literature clearly indicates general compliance of products with requirements of this section.
- B. Installer Qualifications: Firm specializing in metal storage shelving installation with not less than 2 years of experience in installation of metal storage shelving similar to that required for this project.

- C. Single Source Responsibility: Provide material produced by a single manufacturer for each shelving unit type.

#### 1.5 DELIVERY, STORAGE AND HANDLING

- A. Comply with instructions and recommendations of manufacturer for special delivery, storage, and handling requirements.

#### 1.6 WARRANTY

- A. Special Project Warranty: Submit a written warranty, executed by the Contractor, Installer and the Manufacturer, agreeing to repair or replace shelving units which fail in materials or workmanship within the specified warranty period. This warranty shall be in addition to and not a limitation of other rights the Government may have against the Contractor under the Contract Documents.

- 1. Warranty period is 2 years after the date of Substantial Completion.

#### 1.7 MAINTENANCE

- A. Maintenance Instructions: Submit manufacturer's printed instructions for maintenance of installed work, including methods and frequency recommended for maintaining optimum condition under anticipated use conditions. Include precautions against materials and methods which may be detrimental to finishes and performance.
- B. Replacement Materials: After completion of work, deliver not less than 2 of each type, color, and pattern of metal storage shelving, exclusive of material required to properly complete installation. Furnish 2% of accessory components as scheduled. Furnish replacement materials from same production run as materials installed. Package replacement materials with protective covering, identified with appropriate labels.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products of one of the following:
  - Penco Products Inc.
  - Republic Storage Systems Co., Inc.



## 2.2 MATERIALS

- A. General: Minimum 20 gauge cold-rolled steel sheet metal, washed to receive powder coated baked enamel finish, higher gauge where indicated to provide appropriate loading capacity.
- B. Open Shelving: Provide heavy-duty open shelving units consisting of four upright corner pilasters, slotted to receive clips clipped together with shelves as indicated. Provide cross-braces laterally and at ends as required for stability with intended load. Shelves adjustable 1-1/2" on center. Provide 36" and 48" wide by 87" high units, unless otherwise indicated on drawings or in specifications.
- C. Shelf Depth: Provide shelving of standard depth as follows:

Standard Shelf Depth: As indicated on drawings 24" |

- D. Unit Configuration: Provide shelf units in configuration as follows:
- E. Standard Upright Assembly: provide complete unit equipped with four uprights; shelves and top designed to stand independently.
- F. Shelves: Provide units with number of shelves as indicated.
- G. Lateral Cross Braces: Minimum 12 gauge, 1" wide steel band, formed and punched at each end, capable of bolting to T sections. provide one pair of cross braces for every three sections of under 30"; two pairs for every two sections 30" and over.
- H. Crosswise Dividers: Minimum 24 gauge steel for shelves up to 18" high and 24" deep, minimum 20 gauge steel for shelves over 18" high and 24" deep, punched for attaching to shelves.
- I. Lengthwise Dividers: Steel gauge as required by shelf spacing.
- J. Bases: Channel-shaped to engage upright T sections with spring fasteners, minimum 20 gauge for 3" base, minimum 18 gauge for 6" base.

## 2.3 FINISHES

- A. Provide units in finishes and colors as selected by Architect from manufacturer's standard finishes and colors.

## PART 3 EXECUTION

### 3.1 INSPECTION

- A. Inspect areas and conditions in which metal storage shelving will be installed. Verify locations of power feeds, positioning of exits and aisle ways and overall dimensions of space, including height and HVAC venting.

### 3.2 PREPARATION

- A. Prior to installation of shelving system, vacuum floor surface to remove dust, debris and loose particles. Resilient flooring wet mopped and dried or finish buffed. Verify that components, including size and finish are those specified before installing.

### 3.3 INSTALLATION

- A. Install shelving system and accessories after finishing operations, including painting have been completed. Install system to comply with final layout drawings, in strict compliance with manufacturers printed instructions. Position units level, plumb; at proper location relative to adjoining units and related work. Adjust accessories to provide visually acceptable installation.

### 3.4 FIELD QUALITY CONTROL

- A. Remove and replace shelving components which are chipped, scratched, or otherwise damaged and which do not match adjoining work. Provide new matching units, installed as specified and in manner to eliminate evidence of replacement.

### 3.5 ADJUST

- A. Adjust components and accessories to provide visually acceptable installation.

### 3.6 CLEANING

- A. Immediately upon completion of installation, clean components and surfaces following manufacturer's recommended procedures.

- B. Remove surplus materials, rubbish and debris resulting from installation upon completion of work and leave areas of installation in neat, clean condition.

### 3.7 DEMONSTRATION

- A. Upon completion of installation of system, inspect and determine capability and compliance with requirements. Repair or replace units which are not functional. All shelves and/or accessories shall be smoothly in place with no visual buckling or non-alignment of parts evident.

### 3.8 PROTECTION

- A. Protect system against damage during remainder of construction period. Advise owner of additional protection needed to ensure that system will be without damage or deterioration at time of Substantial Completion.

END OF SECTION

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SECTION 10605

WIRE MESH PARTITIONS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Wire mesh system for walls and ceiling.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-In-Place Concrete.
- B. Division 9 - Finishes.

1.3 REFERENCES

- A. ASTM A36 - Structural Steel.
- B. ASTM A123 - Zinc (Hot-Dipped Galvanized) Coatings on Iron and Steel Products.
- C. ASTM A167 - Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- D. ASTM A366 - Steel, Carbon, Cold-Rolled Sheet, Commercial Quality.
- E. ASTM A446 - Sheet Steel, Zinc-Coated (Galvanized) by the Hot Dip Process, Structural (Physical Quality).
- F. ASTM A500 - Cold-formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes.
- G. ASTM A501 - Hot-formed Welded and Seamless Carbon Steel Structural Tubing.
- H. ASTM A510 - General Requirements For Wire Rods and Course Round Wire, Carbon Steel.
- I. ASTM A580 - Stainless and Heat-Resisting Steel Wire.
- J. ASTM B209 - Aluminum and Aluminum-Alloy Sheet and Plate.
- K. ASTM B211 - Aluminum-Alloy Bars, Rods, and Wire.
- L. ASTM B221 - Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes.

- M. AWS D1.1 - Structural Welding Code.
- N. SSPC (Steel Structures Painting Council) - Painting Manual.

1.4 SUBMITTALS: Submit under provisions of Division 1.

- A. Shop Drawings: Indicate plan and vertical dimensions, elevations, component details; head, jamb, and sill details; location of hardware. Provide component details, framed openings, anchorage, welds, type and location of fasteners, and accessories or items required of related work.
- B. Product Data: Provide data for screen materials, finishes, and hardware.
- C. Samples: Submit two samples, 12" x 12" in size illustrating screen material. Submit samples of hinge latchset illustrating style, color, and finish.
- D. Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention.

1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.

1.6 FIELD MEASUREMENTS

- A. Verify that field measurements are as shown on Drawings.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products which may be incorporated in the work include, but are not limited to, the following:
  - Acorn Wire and Iron Works, Inc.
  - The G-S Company
  - Hoosier Fence Co., Inc.
  - Indiana Wire Products, Inc.
  
  - Kentucky Metal Products Co.
  - King Wire Partitions Inc.
  - Lakeside Wire and Iron Co.

Miller wire Works, Inc.  
Wire and Iron Products, Inc.

## 2.2 HEAVY DUTY MESH PARTITIONS

- A. Mesh: 10-gage crimped steel wire woven into 1-1/2-inch diamond mesh, securely clinched to frame members.
- B. Frames: Provide cutouts for pipes, ducts, beams, and other items shown or necessary for partition installation. Finish edges of cutouts to provide a neat, protective edge.
- C. Frame Members: Cold rolled steel channels, conforming to ASTM A36, with bolt holes approximately 18 inches o.c.
  - 1. Horizontal Reinforcing Members: Cold rolled steel channel with wire woven through, or two channels bolted or riveted toe-to-toe through the mesh and secured to vertical members. Provide number of horizontal reinforcing members to suit panel height as recommended by partition manufacturer.
- D. Stiffening Bars: Provide flat bar stiffener posts between all abutting panel frames. Size as recommended by partition manufacturer for partition height required. Increase size of stiffening bars if required to maintain partition rigidity.
- E. Top Capping Bars: Channel secured to top framing members with 1/4 inch "U" bolts spaced not more than 28 inches o.c.
- F. Corner Posts: Angles with floor shoe and 3/8 inch bolt holes to align with bolt holes in vertical frame members.
- G. Line Posts: Where partition runs exceed 20 feet without intersection or connection to overhead framing, furnish 3 inch by 4.1 pound channel line posts with 5 inch by 18 inch by 1/4 inch base plates located at recommended intervals to ensure partition rigidity and stability.
- H. Intersection Posts: Wherever 3- or 4-way intersections occur, use tubular steel post with floor shoe and 3/8 inch bolt holes aligned for bolting to adjacent panels.
  - 1. For other than 90 degree intersections, use manufacturer's recommended tubular corner posts and installation accessories.
- I. Floor Shoes: Cast metal, sized to suit vertical framing and to provide clear space between finished floor and

bottom horizontal frame members as indicated on drawing.  
Furnish units with set screw for leveling adjustment.

## 2.3 DOORS

- A. Hinged Door: Door frame of 1-1/2" x 3/4" channel with 1-1/2 x 1/8" flat bar cover three sides. 1-5/8" x 7/8" x 1/8" angle riveted to lock side. Each door shall have 1-1/2 pairs heavy butt hinges riveted to both door and hing bar. Mortise type cylinder locks operated by key outside, recessed knob inside.
- B. Provide (2) 120 Lengths of Steel 80 dia. Chain per cage door as shown on plans.

## 2.4 FABRICATION

- A. Do not use components less than sizes indicated. Use larger size components as recommended by partition component manufacturer.
- B. Provide bolts, hardware, and accessories for complete installation.
- C. Finish: Manufacturer's standard shop-applied enamel finish. Provide manufacturer's standard finish color.

## PART 3 EXECUTION

### 3.1 PREPARATION

- A. Coordinate and furnish anchorages, setting drawings, diagrams, templates, instructions, and directions for installation of anchorages, including concrete inserts, sleeves, anchor bolts, and miscellaneous items having integral anchors that are to be embedded in concrete or masonry construction. Coordinate delivery of such items to project site.

### 3.2 INSTALLATION

- A. Erect partitions plumb, rigid, properly aligned, and securely fastened in place, complying with drawings and manufacturer's recommendations.
- B. Provide additional field bracing as shown or necessary for rigid, secure installation. Erector to provide additional clips and bracing as required.



- C. Installation: All bolts shall be welded or peened to eliminate removal of nuts.

### 3.3 ADJUST AND CLEAN

- A. Adjust moving components for smooth operation without binding.
- B. Touch-up damaged finish after completion of installation using field-applied paint to match color of shop-applied finish.

END OF SECTION

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NOTE: THIS SECTION IS ADDED IN ITS ENTIRETY BY AMENDMENT 0002.
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## SECTION 10655

### ACCORDION FOLDING PARTITIONS

#### PART 1 GENERAL:

##### 1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

##### AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM A 653/A 653M	(1997) Steel Sheet Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
ASTM B 221M	(1996) Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric)
ASTM B 221	(1996) Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes
ASTM E 84	(1997) Surface Burning Characteristics of Building Materials
ASTM E 90	(1997) Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
ASTM E 336	(1997) Measurement of Airborne Sound Insulation in Buildings
ASTM E 557	(1993) Architectural Application and Installation of Operable Partitions

##### CHEMICAL FABRICS & FILM ASSOCIATION, INC. (CFFA)

CFFA-W-101-B	(1995) Vinyl Coated Fabric Wallcovering
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##### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 70	(1999) National Electrical Code
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##### 1.2 SUBMITTALS

Submit the following in accordance with Section 01330, "Submittal Procedures."

#### SD-02 Shop Drawings

Partition layouts; FIO

Submit drawings for the system that include dimensions and weight of stacked partition, layout of the work, track and jamb fastening methods, seal details, and installation details. Submit wiring diagram and installation details for electrical operator.

#### SD-03 Product Data

Framework

Suspension system

Covering

#### SD-04 Samples

Covering; G

#### SD-06 Test Reports

Laboratory Acoustical Requirements

Acoustical test

#### SD-10 Operation and Maintenance Data

Folding partitions, Data Package 1

Submit data package.

### 1.3 GUARANTEE

Partitions shall be guaranteed against defects in material and workmanship for a period of two years from date of installation. In addition, the pantographs, trolleys and tracks shall be guaranteed for 10 years from date of acceptance for beneficial use.

### 1.4 DELIVERY, HANDLING AND STORAGE

Deliver materials to project site in manufacturer's original, unopened, and undamaged packages with labels legible and intact. Labels to indicate the manufacturer, brand name, size, finish, and placement location. Store folding partitions and accessories in unopened packages in a manner that will prevent damage. Handle partition materials in accordance with manufacturer's instructions.

## PART 2 PRODUCTS

### 2.1 FOLDING PARTITIONS

Provide full accordion type partitions, factory finished, supported from overhead track without floor guides, and complete with all hardware, track, and accessories necessary for operation. Provide

partition framework with a mechanism that gives stability and maintains uniform spacing of partition folds in all partition positions. Provide completely concealed framework with a vinyl-coated fabric covering. Provide partitions manually operated, one-way type as indicated. Provide patterns and colors of fabric as indicated. Provide manufacturer's standard pendant pull on leading edge of manually operated partitions over 3600 mm( 12 feet)) high.

## 2.2 MATERIALS

### 2.2.1 Aluminum Extrusions

ASTM B 221M(ASTM B 221), Alloy 3003.

### 2.2.2 Steel Sheets

ASTM A 653/A 653M, Z 180(G90) coating designation.

### 2.2.3 Fabric Covering

CFFA-W-101-B, Type II.

### 2.2.4 Seals and Sweepstrips

Provide perimeter seals of manufacturer's standard product, without crack or craze when subjected to severe usage.

### 2.2.5 Ceiling Guards

Furnish partitions with ceiling guards or integral track and ceiling guards as recommended by the manufacturer.

## 2.3 PERFORMANCE REQUIREMENTS

### 2.3.1 Fire Endurance

For partitions more than 5.6 square meters( (60 square feet)) in area, provide fabric and lining with flame spread rating of 25 or less, fuel contribution rating of 15 or less, smoke generation of 50 or less when tested in accordance with ASTM E 84.

### 2.3.2 Laboratory Acoustical Requirements

Folding partitions shall have been tested in accordance with ASTM E 90 by a laboratory accredited by the U.S. Bureau of Standards and have attained a sound transmission class (STC) of not less than 40 in a fully extended position. Partition tested shall be of the same construction, materials, and model number as the partition to be provided and shall be fully operable.

## 2.5 FABRICATION

### 2.5.1 Framework

Fabricate framework, including posts, pantographs, hinges, hinge plates, and rods from either extruded aluminum or ferrous metal. Arrange frames requiring pantographs for horizontal pantograph action with pantographs located at top and bottom of the frame. Provide pantographs spaced not over 1200 mm( 4 feet)) apart. Provide intermediate pantograph at center of doors less than 2400 mm( 8 feet)) high unless the door has vertical metal reinforcing. The pantographs shall operate smoothly with positive folding action and shall have a control device to prevent flattening of the folds when the panel

is fully extended. Ferrous metal shall be either cadmium plated or zinc coated, except posts at the option of the door manufacturer shall have phosphate treatment and manufacturer's shop finish paint.

#### 2.5.2 Suspension System

Provide a suspension system consisting of steel or aluminum track and trolleys designed to support the weight of the partition. Provide steel track of 1.5 mm (16 gage) minimum, phosphate treated and finished, or zinc or cadmium coated. Provide extruded aluminum track with minimum thickness of 3 mm (1/8 inch). Tracks may have an integral ceiling guard. Trolleys shall have at least two ball bearing nylon or steel tired wheels spaced according to manufacturer's design criteria and four at an end post.

#### 2.5.3 Covering

Attach fabric to the framework with fasteners that permit easy removal of the cover but prevent sagging or separation. Position vertical seams in the bottoms of valleys and reinforce. Provide top and bottom edges of cover fabrics with 12 mm (1/2 inch) minimum turned hems.

#### 2.5.4 Sound Insulation

Provide sound insulation as necessary to achieve the specified sound transmission class.

#### 2.5.5 Air Release

Provide an air release system which will allow trapped air within the partition to be released during the stacking process.

#### 2.5.6 Seals

Provide perimeter seals as necessary to produce the sound transmission class specified and to pass the visual field test specified.

#### 2.5.7 Hardware

Provide hardware of the heavy-duty type standard with the manufacturer. Provide pulls and latches for all partitions. Provide partitions with privacy latches or foot bolts.

#### 2.5.8 Accessories

Provide ceiling guards and recessed tracks per manufacturer recommendation.

### PART 3 EXECUTION

#### 3.1 INSTALLATION

##### 3.1.1 Existing Work

Check openings scheduled to receive accordion-folding partitions for correct dimensions.

Install partitions in accordance with the approved partition layouts, manufacturer's directions, and ASTM E 557. Structural support for the track support elements shall be as indicated.

### 3.1.2 Adjustment

Adjust manually operated partitions to open and close from any position with a maximum horizontal force of 130 N( (30 pounds)) applied to pendant pull, box or handle.

## 3.2 FIELD TESTS

### 3.2.1 Operational Test

Operate partition at least three times to demonstrate that partition is capable of being moved from the stored position to the fully extended position smoothly and quietly. Activate the emergency release mechanism and demonstrate proper operation of the partition in the manual mode. Adjust partitions which do not operate properly and retest.

### 3.2.2 Visual Test

Conduct visual field tests for light leakage with all room lights turned on in the space on one side of the partition. Darken space on the other side of the partition. There shall be no light leakage from the lighted space to the darkened space. If light leakage does occur, adjust the partition to correct the problem and retest.

### 3.2.3 Acoustical Test

Field sound performance: partition shall be tested by an independent certified acoustical consultant in accordance with ASTM E 336, and achieve a Noise Isolation Class (NIC) of 45 plus or minus two. Adjust and/or modify partitions which do not comply, and retest.

## 3.3 CLEANING

Clean any soiled parts of the partition according to manufacturer's instructions.

END OF SECTION

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NOTE: THIS SECTION IS ADDED IN ITS ENTIRETY BY AMENDMENT 0002.
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## SECTION 12800

### EQUIPMENT TO BE RELOCATED

#### PART 1 GENERAL

This specification contains the photographs of the existing machine equipment located on the existing floating machine shop (FMS). All equipment is to be relocated by the Contractor. Government personnel will be available for consultation during actual removal of all equipment out of FMS and into the new building. Removal will be from open deck hatch on FMS. Equipment shall have to be disconnected and moved under open hatch for subsequent removal off FMS through hatch and into new building.

##### 1.1 DELIVERY AND STORAGE

All equipment that is being relocated or placed in storage shall be protected at all times from weather, humidity and temperature variations, dirt and dust, or other contaminants.

##### 1.2 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. The following shall be submitted in accordance with Section 01330 – SUBMITTAL PROCEDURES:

SD-03 Product Data

Equipment Relocation Plan; G

Two copies of the information described below in a 8-1/2 by 11 inch binders having three rings, from which materials can be readily removed and replaced, including a separate section for each equipment item as designated on the EQUIPMENT PLAN, Plate A1.10. Sections shall be separated by heavy plastic dividers with tabs, with a sheet signed and dated by the person supervising the removal of equipment. The following information shall be included:

- a. Existing and new site layout drawing with equipment weights, dimensions and all utilities identified.
- b. The equipment manufacturer with address, email address, and telephone numbers where known.
- c. The dates of cable pulls, time of the day, and ambient temperature. The anticipated dates and duration for each equipment item. Including the time of day.

d. The amount of time included for unforeseen contingencies for each equipment item. Total time for contingencies shall be in the range from two to four weeks.

## PART 2 PRODUCTS

See the photographs on following pages.

## PART 3 EXECUTION

### 3.1 DESCRIPTION OF WORK

The Contractor shall remove pictured machine tools from the current location and install them in the new building. Rooms 146 and 146A. For more details see drawing Plates A1.10, M5.2, and M5.3. The Contractor is responsible for protecting the relocated items against any damage. See also Section 00800 – SPECIAL CLAUSES, SC-13, and Section 01005 – SITE SPECIFIC SUPPLEMENTARY REQUIREMENTS, paragraph 1.4.1 for additional requirements.

### 3.2 EQUIPMENT RELOCATION PLAN AND PROCEDURE

Equipment shall be relocated in accordance with the equipment manufacturer's recommendations and with the Equipment Relocation Plan. No work on relocation of equipment shall proceed until the plan is approved.

### 3.3 EQUIPMENT RELOCATION PLAN CONTENTS

The Contractor shall submit an equipment relocation plan for all items in accordance with the paragraph SUBMITTALS. The plan shall include:

- a. Existing and new site layout drawings showing existing configuration on the Floating Machine Shop (FMS) and the new configuration in the machine shop.
- b. List of cable installation equipment.
- c. Manufacturer's installation instructions when available; if not available, then a alternate installation procedure.
- d. Procedure for connection of all utilities.

### 3.4 CLEAN-UP

Upon completion of relocation and re-installation of all equipment the Contractor shall remove any surplus materials, rubbish and debris resulting from the operation and thoroughly clean the area.

EQUIPMENT ITEM 1

Jet Washer (large)

SN#8789

Jet Washer (small)

SN#2399304035014



EQUIPMENT ITEM 2

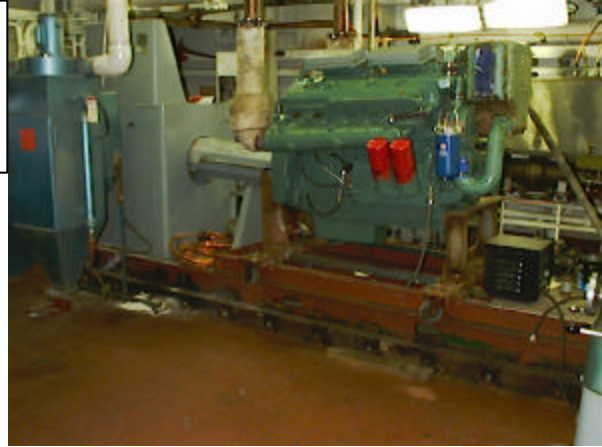
Hydraulic Test Stand SN # 489



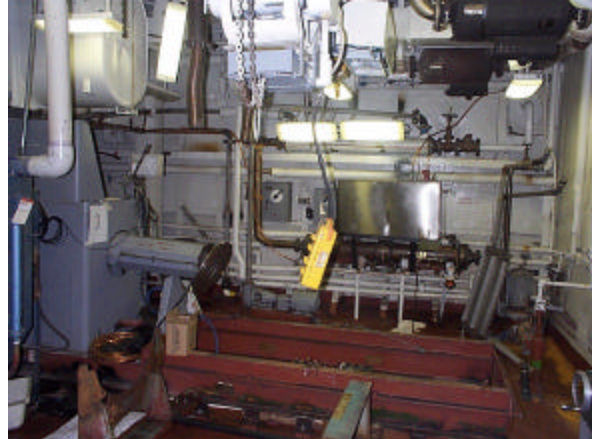
### EQUIPMENT ITEM 3

## Dynamometer (Engine Test Stand)

Accessories must accompany main unit.  
Accessories consist of 2 heat exchanges, 1  
water circulating pump, 1 fuel tank, 1 raw  
water pump, 2 mufflers and associated



## Dynamometer (Engine Test Stand)



EQUIPMENT ITEM 4  
Valve Grinder (qty 2)



EQUIPMENT ITEM 5  
Injector Test Stand model CD 3



EQUIPMENT ITEM 6

Engine / Component Stand (4 each)



EQUIPMENT ITEM 7

Injector Test Stand (APF)

No Photo

This item is currently located at Fort Lewis. The Government will deliver it to the site in time for installation in the new machine shop.

02021/cs  
USARC, Pier 23, Tacoma, WA

EQUIPMENT ITEM 8  
**PRESS, HYDRAULIC – 50 Ton**

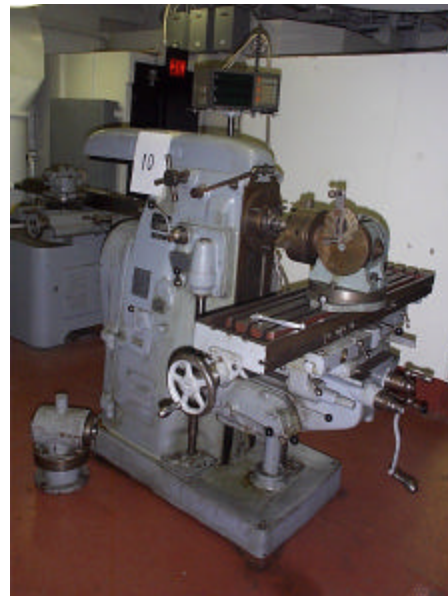




EQUIPMENT ITEM 9  
Drilling Machine



EQUIPMENT ITEM 10  
Milling machine – Universal





EQUIPMENT ITEM 11



Band Saw, Metal Cutting

EQUIPMENT ITEM 12

Band Saw , cutoff (W.F. Wells)

EQUIPMENT ITEM 13  
Band Saw , cutoff (W.F. Wells)



EQUIPMENT ITEM 14  
Lathe – Standard Modern (Qty 2)



02021/cs  
USARC, Pier 23, Tacoma, WA



02021/cs  
USARC, Pier 23, Tacoma, WA

EQUIPMENT ITEM 15  
Lathe – Sidney



EQUIPMENT ITEM 16  
Lathe – Nebel



02021/cs  
USARC, Pier 23, Tacoma, WA

EQUIPMENT ITEM 17  
Drilling Machine – radial arm



EQUIPMENT ITEM 18  
Disc Sander – 12”



EQUIPMENT ITEM 19  
Index Milling Machine – Wells



EQUIPMENT ITEM 21  
Welding Machine, Miller (2)





EQUIPMENT ITEM 22  
Waffle Table – Welding

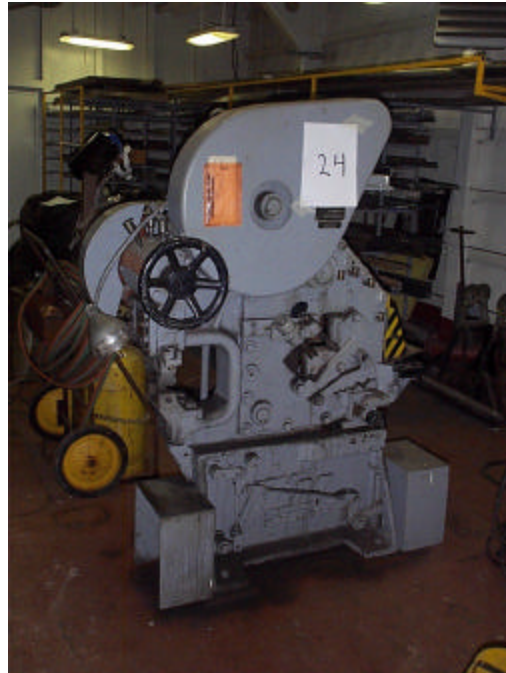


EQUIPMENT ITEM 23  
Welding Tables (2)



02021/cs  
USARC, Pier 23, Tacoma, WA

EQUIPMENT ITEM 24  
Punch – Iron Worker “Buffalo Shier”



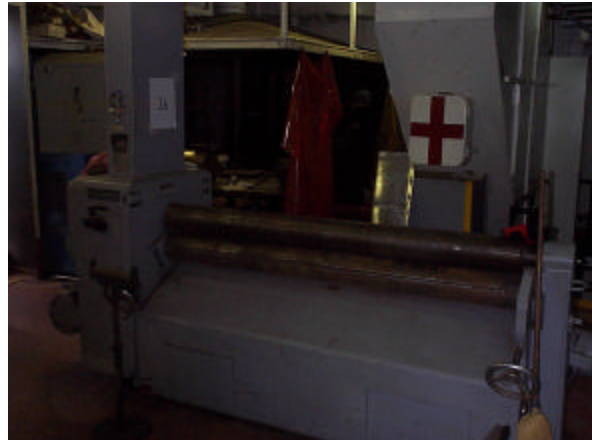
EQUIPMENT ITEM 25  
Shear, Sheet Metal – Model 772





02021/cs  
USARC, Pier 23, Tacoma, WA

EQUIPMENT ITEM 26  
Roller, Plate – Niagara



EQUIPMENT ITEM 27  
BRAKE. SHEET METAL –“FINGER”



02021/cs  
USARC, Pier 23, Tacoma, WA

EQUIPMENT ITEM 28  
Grinder, Large

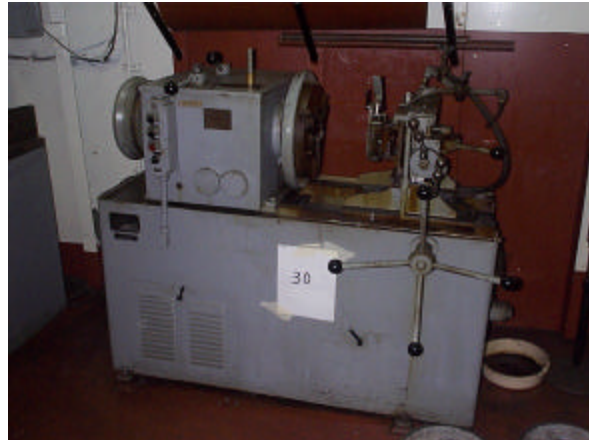


EQUIPMENT ITEM 29  
Grinder



02021/cs  
USARC, Pier 23, Tacoma, WA

EQUIPMENT ITEM 30  
Pipe Threader



EQUIPMENT ITEM 31  
Drill Press “Buffalo”



02021/cs  
USARC, Pier 23, Tacoma, WA

EQUIPMENT ITEM 32  
Test Stand, Automotive Generator



EQUIPMENT ITEM 33  
Oven, Type MD 4



EQUIPMENT ITEM 38  
Drill Press, Portable



EQUIPMENT ITEM 39  
Armature Tester, Portable





02021/cs  
USARC, Pier 23, Tacoma, WA

EQUIPMENT ITEM 40  
Battery Charger, Portable



EQUIPMENT ITEM 41  
LATHE, SIDNEY, 16"



02021/cs  
USARC, Pier 23, Tacoma, WA

EQUIPMENT ITEM 43  
**Hot Boxes**



EQUIPMENT ITEM 44  
**FORGE**



02021/cs  
USARC, Pier 23, Tacoma, WA

EQUIPMENT ITEM 45  
SHOT BEADER



EQUIPMENT ITEM 46  
SHEAR, NIAGARA



END OF SECTION



## SECTION 16710

### PREMISES DISTRIBUTION SYSTEM

#### PART 1 GENERAL

##### 1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

##### ELECTRONIC INDUSTRIES ASSOCIATION (EIA)

EIA ANSI/TIA/EIA-568-A	(1995) Commercial Building Telecommunications Cabling Standard
EIA ANSI/TIA/EIA-569-A	(1998) Commercial Building Standard for Telecommunications Pathways and Spaces
EIA ANSI/TIA/EIA-606	(1993) Administration Standard for the Telecommunications Infrastructure of Commercial Buildings
EIA ANSI/TIA/EIA-607	(1994) Commercial Building Grounding and Bonding Requirements for Telecommunications
EIA TSB 67	(1995) Transmission Performance Specifications for Field Testing of Unshielded Twisted Pair Cabling Systems

##### IBM PUBLICATION CORPORATION (IBM)

IBM GA27-3361-07	(1987) LAN Cabling System - Planning and Installation
IBM GA27-3773-0	(1987) Cabling System Technical Interface Specifications

##### INSULATED CABLE ENGINEERS ASSOCIATION (ICEA)

ICEA S-80-576	(1994) Communications Wire and Cable for Wiring of Premises
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##### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 70	(1996; Errata) National Electrical Code
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##### UNDERWRITERS LABORATORY (UL)

UL 50	(1995; Rev thru Oct 1997) Enclosures for Electrical Equipment
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## 1.2 SYSTEM DESCRIPTION

The premises distribution system shall consist of inside-plant horizontal, riser, and backbone cables and connecting hardware to transport telephone and data (including LAN) signals between equipment items in a building. System shall include voice key switching system. System shall also include all telephone handsets/instruments. Contractor shall assist Contracting Officer with ordering of telephone and data network services.

## 1.3 ENVIRONMENTAL REQUIREMENTS

Connecting hardware shall be rated for operation under ambient conditions of 0 to 60 degrees C 32 to 140 degrees F and in the range of 0 to 95 percent relative humidity, noncondensing.

## 1.4 QUALIFICATIONS

### 1.4.1 Minimum Contractor Qualifications

All work under this section shall be performed by and all equipment shall be furnished and installed by a certified Telecommunications Contractor, hereafter referred to as the Contractor. With the exception of furnishing and installing conduit, electrical boxes, and pullwires, this work shall not be done by the Electrical Contractor. The Contractor shall have the following qualifications in Telecommunications Systems installation:

- a. Contractor shall have a minimum of 3 years experience in the application, installation and testing of the specified systems and equipment.
- b. All supervisors and installers assigned to the installation of this system or any of its components shall have factory certification from each equipment manufacturer that they are qualified to install and test the provided products. General electrical trade staff (electricians) shall not be used for the installation of the premises distribution system cables and associated hardware.
- c. All installers assigned to the installation of this system or any of its components shall have a minimum of 3 years experience in the installation of the specified copper cable and components.

### 1.4.2 Minimum Manufacturer Qualifications

The equipment and hardware provided under this contract will be from manufacturers that have a minimum of 3 years experience in producing the types of systems and equipment specified.

## 1.5 SUBMITTALS

Government approval is required for submittals with a "GA" designation; submittals having an "FIO" designation are for information only. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-01 Data

Spare Parts; FIO.

Lists of spare parts, tools, and test equipment for each different item of material and equipment specified, after approval of detail drawings, not later than 2 months prior to the date of beneficial occupancy. The data shall include a complete list of parts and supplies, with current unit prices and source of supply, and a list of spare parts recommended for stocking.

#### SD-04 Drawings

Premises Distribution System; GA.

Detail drawings including a complete list of equipment and material. Detail drawings shall contain complete wiring and schematic diagrams and other details required to demonstrate that the system has been coordinated and will function properly as a system. Drawings shall include vertical riser diagrams, equipment rack details, elevation drawings of telecommunications closet walls, outlet face plate details for all outlet configurations, sizes and types of all cables, conduits, and cable trays. Drawings shall show proposed layout and anchorage of equipment and appurtenances, and equipment relationship to other parts of the work including clearance for maintenance and operation.

Record Drawings; GA.

Record drawings for the installed wiring system infrastructure per EIA ANSI/TIA/EIA-606. The drawings shall show the location of all cable terminations and location and routing of all backbone and horizontal cables. The identifier for each termination and cable shall appear on the drawings.

#### SD-06 Instructions

Manufacturer's Recommendations; GA.

Where installation procedures, or any part thereof, are required to be in accordance with the recommendations of the manufacturer of the material being installed, printed copies of these recommendations, prior to installation shall be provided. Installation of the item will not be allowed to proceed until the recommendations are received and approved.

#### SD-08 Statements

Test Plan; GA.

Test plan defining the tests required to ensure that the system meets technical, operational and performance specifications, 60 days prior to the proposed test date. The test plan must be approved before the start of any testing. The test plan shall identify the capabilities and functions to be tested, and include detailed instructions for the setup and execution of each test and procedures for evaluation and documentation of the results.

Qualifications; GA.

The qualifications of the Manufacturer, Contractor, and the Installer to perform the work specified herein. This shall include proof of the minimum qualifications specified herein.

#### SD-09 Reports

##### Test Reports; FIO.

Test reports in booklet form with witness signatures verifying execution of tests. Test results will also be provided on 89 mm diskettes in ASCII format. Reports shall show the field tests performed to verify compliance with the specified performance criteria. Test reports shall include record of the physical parameters verified during testing. Test reports shall be submitted within 7 days after completion of testing.

#### SD-13 Certificates

##### Premises Distribution System; FIO.

Written certification that the premises distribution system complies with the EIA ANSI/TIA/EIA-568-A, EIA ANSI/TIA/EIA-569, and EIA ANSI/TIA/EIA-606 standards.

##### Materials and Equipment; FIO.

Where materials or equipment are specified to conform, be constructed or tested to meet specific requirements, certification that the items provided conform to such requirements. Certification by a nationally recognized testing laboratory that a representative sample has been tested to meet the requirements, or a published catalog specification statement to the effect that the item meets the referenced standard, will be acceptable as evidence that the item conforms. Compliance with these requirements does not relieve the Contractor from compliance with other requirements of the specifications.

##### Installers; GA.

The Contractor shall submit certification that all the installers are factory certified to install and test the provided products.

#### SD-18 Records

##### Record Keeping and Documentation; GA.

Documentation on cables and termination hardware in accordance with EIA ANSI/TIA/EIA-606.

## 1.6 DELIVERY AND STORAGE

Equipment delivered and placed in storage shall be stored with protection from the weather, humidity and temperature variation, dirt and dust or other contaminants.

## 1.7 OPERATION AND MAINTENANCE MANUALS

Commercial off the shelf manuals shall be furnished for operation, installation, configuration, and maintenance for all products provided as a part of the premises distribution system. Specification sheets for all cable, connectors, and other equipment shall be provided.

## 1.8 RECORD KEEPING AND DOCUMENTATION

### 1.8.1 Cables

A record of all installed cable shall be provided in hard copy format. The cable records shall include the required data fields for each cable and complete end-to-end circuit report for each complete circuit from the assigned outlet to the entry facility per EIA ANSI/TIA/EIA-606.

### 1.8.2 Termination Hardware

A record of all installed patch panels and outlets shall be provided in hard copy format per EIA ANSI/TIA/EIA-606. The hardware records shall include only the required data fields per EIA ANSI/TIA/EIA-606.

## PART 2 PRODUCTS

### 2.1 MATERIALS AND EQUIPMENT

Materials and equipment shall be the standard products of a manufacturer regularly engaged in the manufacture of the products and shall be the manufacturer's latest standard design that has been in satisfactory use for at least 1 year prior to installation. Materials and equipment shall conform to the respective publications and other requirements specified below and to the applicable requirements of NFPA 70.

### 2.2 UNSHIELDED TWISTED PAIR CABLE SYSTEM

#### 2.2.1 Cable Insulation

For each individual Category 5e cable, the insulation, material used on each pair shall be exactly the same in all physical, electrical, and chemical respects. The use of Teflon insulated, plenum rated Category 5e cable is acceptable for both plenum and non-plenum applications. If Teflon insulated plenum rated cable is used by the Contractor, it shall be Type 4x0, where all four pairs are Teflon insulated. Type 3x1 and 2x2 are not acceptable.

#### 2.2.2 Riser Cable

Riser cable shall meet the requirements of ICEA S-80-576 and EIA ANSI/TIA/EIA-568-A for Category 5e 100-ohm unshielded twisted pair cable. Cable shall be label-verified. Cable jacket shall be factory marked at regular intervals indicating verifying organization and performance level. Conductors shall be solid untinned copper 24 AWG. Cable shall be rated CMR per NFPA 70.

#### 2.2.3 Horizontal Cable

Horizontal cable shall meet the requirements of EIA ANSI/TIA/EIA-568-A for Category 5e horizontal cable. Cable shall be label-verified. Cable jacket shall be factory marked at regular intervals indicating verifying organization and performance level. Conductors shall be solid untinned copper 24 AWG. Cable shall be rated CMP per NFPA 70.

## 2.2.4 Connecting Hardware

Connecting and cross-connecting hardware shall be the same category as the cable it serves. Hardware shall be in accordance with and EIA ANSI/TIA/EIA-568-A.

### 2.2.4.1 Telecommunications Outlets

Wall and desk outlet plates shall come equipped with two modular jacks, with the top or left jack labeled "voice" and the bottom or right jack labeled "data." Modular jacks shall be the same category as the cable they terminate and shall meet the requirements of EIA ANSI/TIA/EIA-568-A. Modular jack pin/pair configuration shall be T568A per EIA ANSI/TIA/EIA-568-A. Modular jacks shall be unkeyed. Faceplates shall be provided and shall be ivory in color, impact resistant plastic. Mounting plates shall be provided for system furniture and shall match the system furniture in color. Outlet assemblies used in the premises distribution system shall consist of modular jacks assembled into both simplex and duplex outlet assemblies in single or double gang covers as specified in this section and as indicated on the drawings. The modular jacks shall conform to the requirements of EIA ANSI/TIA/EIA-568-A, Category 5e.

### 2.2.4.2 Patch Panels

Patch panels shall consist of eight-position modular jacks, with rear mounted type 110 insulation displacement connectors, arranged in rows or columns on 480 mm (19 inch) rack mounted rack mounted panels. Jack pin/pair configuration shall be T568A per EIA ANSI/TIA/EIA-568-A. Jacks shall be unkeyed. Panels shall be labeled with alphanumeric x-y coordinates.

### 2.2.4.3 Terminal Blocks

Terminal blocks shall be wall mounted wire termination units consisting of insulation displacement connectors mounted in plastic blocks, frames or housings. Blocks shall be type 66 which meet the requirements of EIA ANSI/TIA/EIA-568-A for category 5e. Blocks shall be mounted on standoffs and shall include cable management hardware. Insulation displacement connectors shall terminate 22 or 24 gauge solid copper wire as a minimum, and shall be connected in pairs so that horizontal cable and connected jumper wires are on separate connected terminals.

## 2.3 EQUIPMENT RACKS

### 2.3.1 Floor Mounted Open Frame

Floor mounted equipment racks shall be welded steel relay racks with uprights to mount equipment 480 mm (19 inches) wide. Uprights shall be 75 mm 3 inch deep channel, 32 mm wide, drilled and tapped 12-24 in a 13 mm pattern. Racks shall be provided with a standard top crossmember, and predrilled base plate to allow floor fastening. Open frame equipment racks shall be 2.1 m 7 feet in height and painted beige. AC outlets shall be provided as shown.

### 2.3.2 Cable Guides

Cable guides shall be specifically manufactured for the purpose of routing cables, wires and patch cords horizontally and vertically on 480 mm (19 inch) equipment racks. Cable guides shall consist of ring or bracket-like devices mounted on rack panels for horizontal use or individually mounted for vertical use. Cable guides shall mount to racks by screws and/or nuts and lockwashers.

## 2.4 EQUIPMENT MOUNTING BACKBOARD

Plywood backboards shall be provided, sized as shown, painted with white or light colored paint.

## 2.5 TELECOMMUNICATIONS OUTLET BOXES

Electrical boxes for telecommunication outlets shall be 117 mm square by 53 mm deep with minimum 9 mm deep single or two gang plaster ring as shown. Provide a minimum 25 mm conduit.

## 2.6 TELEPHONE INSTRUMENTS

Telephone instruments shall be provided. Instruments shall be UL listed. Instruments shall be Cortelco, Colleague 2203 or equal.

## 2.7 TELEPHONE SWITCH

Telephone switch shall be a state-of-the-art digital communication; multimedia platform that can handle voice, image, data and video traffic. The switch shall employ stored program control architecture using digital pulse code modulation and time division multiplexing. The stored program control system shall automatically reload and reboot the switch in the event of a complete power failure. The switch shall be designed to serve a minimum of 100 digital extensions and a minimum of 100 analog extensions. The switch shall be designed to operate from the 120 volt AC system

# PART 3 EXECUTION

## 3.1 INSTALLATION

System components and appurtenances shall be installed in accordance with NFPA 70, manufacturer's instructions and as shown. Necessary interconnections, services, and adjustments required for a complete and operable signal distribution system shall be provided. Components shall be labeled in accordance with EIA ANSI/TIA/EIA-606. Penetrations in fire-rated construction shall be firestopped in accordance with Section 07840 FIRESTOPPING. Conduits, outlets and raceways shall be installed in accordance with Section 16415 ELECTRICAL WORK, INTERIOR. Wiring shall be installed in accordance with EIA ANSI/TIA/EIA-568-A and as specified in Section 16415 ELECTRICAL WORK, INTERIOR. Wiring, and terminal blocks and outlets shall be marked in accordance with EIA ANSI/TIA/EIA-606. Cables shall not be installed in the same cable tray, utility pole compartment, or floor trench compartment with ac power cables. Cables not installed in conduit or wireways shall be properly secured and neat in appearance and, if installed in plenums or other spaces used for environmental air, shall comply with NFPA 70 requirements for this type of installation.

### 3.1.1 Horizontal Distribution Cable

The rated cable pulling tension shall not be exceeded. Cable shall not be stressed such that twisting, stretching or kinking occurs. Cable shall not be spliced. Copper cable not in a wireway shall be suspended a minimum of 200 mm above ceilings by cable supports no greater than 1.5 m apart. Cable shall not be run through structural members or in contact with pipes, ducts, or other potentially damaging items. Placement of cable parallel to power conductors shall be avoided, if possible; a minimum separation of 300 mm (12 inches) shall be maintained when such placement cannot be avoided. Cables shall be terminated; no cable shall contain unterminated elements. Minimum bending radius shall not be exceeded during installation or once installed. Cable ties shall not be excessively tightened such that the transmission characteristics of the cable are altered.

### 3.1.2 Riser and Backbone Cable

Vertical cable support intervals shall be in accordance with manufacturer's recommendations. Cable bend radius shall not be less than ten times the outside diameter of the cable during installation and once installed. Maximum tensile strength rating of the cable shall not be exceeded. Cable shall not be spliced.

### 3.1.3 Telecommunications Outlets

#### 3.1.3.1 Faceplates

As a minimum each jack shall be labeled as to its function and a unique number to identify cable link.

#### 3.1.3.2 Cables

Unshielded twisted pair shall have a minimum of 150 mm of slack cable loosely coiled into the telecommunications outlet boxes. Minimum manufacturers bend radius for each type of cable shall not be exceeded.

#### 3.1.3.3 Pull Cords

Pull cords shall be installed in all conduit serving telecommunications outlets which do not initially have UTP cable installed.

### 3.1.4 Terminal Blocks

Terminal blocks shall be mounted in orderly rows and columns. Adequate vertical and horizontal wire routing areas shall be provided between groups of blocks. Industry standard wire routing guides shall be utilized.

### 3.1.5 Unshielded Twisted Pair Patch Panels

Patch panels shall be mounted in equipment racks with sufficient modular jacks to accommodate the installed cable plant plus 10 percent spares. Cable guides shall be provided above, below and between each panel.

### 3.1.6 Equipment Racks

Open frame equipment racks shall be bolted to the floor. Cable guides shall be bolted or screwed to racks. Racks shall be installed level. Ganged racks shall be bolted together.

#### 3.1.6.1 Vertical Cable Management

Vertical cable management shall be provided between adjacent racks. Vertical cable management shall consist of non-metallic, slotted, channels with solid cover. Cable management shall extend from floor to the top of the racks. Horizontal cable management shall consist of split rings between items of rack mounted equipment.



### 3.1.7 Rack Mounted Equipment

Equipment to be rack mounted shall be securely fastened to racks by means of the manufacturer's recommended fasteners.

## 3.2 TERMINATION

Cables and conductors shall sweep into termination areas; cables and conductors shall not bend at right angles. Manufacturer's minimum bending radius shall not be exceeded. When there are multiple system type drops to individual workstations, relative position for each system shall be maintained on each system termination block or patch panel.

### 3.2.1 Unshielded Twisted Pair Cable

Each pair shall be terminated on appropriate outlets, terminal blocks or patch panels. No cable shall be unterminated or contain unterminated elements. Pairs shall remain twisted together to within the proper distance from the termination as specified in EIA ANSI/TIA/EIA-568-A. Conductors shall not be damaged when removing insulation. Wire insulation shall not be damaged when removing outer jacket.

## 3.3 GROUNDING

Signal distribution system ground shall be installed in the telecommunications entrance facility and in each telecommunications closet in accordance with EIA ANSI/TIA/EIA-607 and Section 16415 ELECTRICAL WORK, INTERIOR. Equipment racks shall be connected to the electrical safety ground.

## 3.4 ADDITIONAL MATERIALS

The Contractor shall provide the following additional materials required for facility startup.

- a. 10 of each type outlet.
- b. 10 of each type cover plate.
- c. 1 of each type terminal block for each telecommunications closet.
- d. 4 Patch cords of 3 m 10 feet for each telecommunications closet.
- e. 1 Set of any and all special tools required to establish a cross connect and to change and/or maintain a terminal block.

## 3.5 ADMINISTRATION AND LABELING

### 3.5.1 Labeling

#### 3.5.1.1 Labels

All labels shall be in accordance with EIA ANSI/TIA/EIA-606.

#### 3.5.1.2 Cable

All cables will be labeled using color labels on both ends with unencoded identifiers per EIA ANSI/TIA/EIA-606.

#### 3.5.1.3 Termination Hardware

All workstation outlets and patch panel connections will be labeled using color coded labels with unencoded identifiers per EIA ANSI/TIA/EIA-606.

### 3.6 TESTING

Materials and documentation to be furnished under this specification are subject to inspections and tests. All components shall be terminated prior to testing. Equipment and systems will not be accepted until the required inspections and tests have been made, demonstrating that the signal distribution system conforms to the specified requirements, and that the required equipment, systems, and documentation have been provided.

#### 3.6.1 Unshielded Twisted Pair Tests

All metallic cable pairs shall be tested for proper identification and continuity. All opens, shorts, crosses, grounds, and reversals shall be corrected. Correct color coding and termination of each pair shall be verified in the communications closet and at the outlet. Horizontal wiring shall be tested from and including the termination device in the communications closet to and including the modular jack in each room. Backbone wiring shall be tested end-to-end, including termination devices, from terminal block to terminal block, in the respective communications closets. These test shall be completed and all errors corrected before any other tests are started.

#### 3.6.2 Category 5e Circuits

All category 5e circuits shall be tested using a test set that meets the Class II accuracy requirements of EIA TSB 67 standard. Testing shall use the Basic Link Test procedure of EIA TSB 67. Cables which contain failed circuits shall be replaced and retested to verify the standard is met.

END OF SECTION